

1915

J. G. Price
Castillo Hotel

Morgan Co.
Ga.

1 Apulika Ala VIII. 2. 1915

Rolling country (gently)
much under cultivation
heavy areas of pine (ever)
pine & decid., & decid.
chiefly oak - between hills
marshy areas of heavy
grasses etc. V. hard collecting
Arphia can. 10[♂] 2 juvs - all
seen along forest borders
I. brevicauda mod. nos. every
where in marshy areas
I. citre rare in bare
ground of corn & cotton fields
M. livid 2 ads in undergrowth
of forest
A. gibbosus 2 ♀ thickets
heavy, near stream in
woods
S. americanus occasional ubiquitous
Q. pulid common in
dry areas of grasses
S. adumbratus same
Sp. bolli very few in
oak woods
M. alt. occasional cultivated for marshy

C. virid coastal fields
& grasses

H. rug 1 dry grass area

P. apiculata same 1.

Dryllus ars about lower

sch. ♀ of 3 sp (2 ♀ ~~dionis~~ⁿ)

under bark of pine

Stumps (Ew 1) juv abdt.

sch. W 1 ♀ under stone
in pine woods (Ew 1)

P. pulch 1 lux veg border
marshy area

C. columbiana 1 same

C. antill 1 juv beaten

from sweet gum

C. squam juv mod same
at one spot among pine
needles in forest (Ew 1)

I lat scarce in marshy
areas

E. rufus common in
stream beds

A. a. angust mod, mod
same sandy areas

N. f. soc common in
low meadow land

2 spec. Lat. Tenuella
= Opilina novella

Arct. vulg 1♂ juv & common
marshy areas

Scudd. cunea? 2♀ juv mod
num. marshy area borders

P. florid few ads marshy ar
Hap juv under forest

Mel (Angustia sp) juv mod
dist. grasses

M. scudd juv juv everywhere
in forest under

C. pallans juv & num, more
in dry grass areas

A. f. carnat? 3♂ marshy areas

A. r. crepit 1♂ same

A. retus juv common there

Sharp nodd Conocycle juv

bottom layer box 1. 35

2 " 50

3 " 53

(138)

juv in grasses in pure wds.

A. occid juv same

Auc all beaten from low

lux veg near marshy
borders of wet areas

C. brevif juv addt lux marsh veg

C. fasc few ads same

2. Brimville Ala VIII-3

S. bolli few, forest undergrowth
Very old rolling country
ced. portions in high forest
of pine & sweet gum chiefly
Hapith few juv same

Eligonyx 1 juv "

A. apt 20th, juv mod nos
loc in grasses & vine tangles
of forest

M. moriei gr 5. ♂ 1 ♀
widely distr & scarce
in mod. scant undergrowth
of partridge berry, wild
grape, vines, forest plants
scarcely any grasses in
heavy forest.

M. quereus 10th number juv
same parts about
vine tangles

M. acedderi juv juv
forest undergrowth.

C. squam juv abdt
& widely distr on ground
thru forest

C. cutell beaten from

● Heavy bushes near str
in forest.

P. pulchellus, rare

M. aenealis, debris

under raspberries in forest
^{probably wood}

U. maculat juv abdt
in dead leaves of forest

U. car 2 ads in dead leaves
near str in forest

R. brevif & var juv colony,
2 Nupt, in ^{in but} grasses ~~near~~ edge
of forest

L. chryseata, under bark
of dead, sweet gum

L. id. 1 juv under pine bark

A. uleric 2 ♀ forest under

J. lat near stream in open
& in forest

P. tetricus, common locally
in short grass in open
countries ~~forest~~ and

U. f. socius common near

● B. fulidula juv only there

A. latif 1 juv sweet gum
aprons in forest.

J. ad cuneat 1 ♀ forest under

4 th layer	box 1	78
5	" 1	57
		<u>135</u>

Slag car 1 juo forest underg

Diaph 1 j same

P. brunnea 1 ad 1 j — colony under sign on oak.

N. ambit occurs in dead moss in water oak grove

C. viridis fields

J. citr same

S. merie 1, windy field

M. morsei gr extremely alert and active, much march.

138
+135
<u>273</u>

A. latif juv occur in
 happy underg of pine wds
M. sutteri juv ibid
M. (angusta sp) 1 juv there
C. fasc 1 ♂ swampy area
Neotoma larger j ibid
Neotoma smaller j, juv
 in pinewoods underg.

6 th (top) layer 1st box	70
1st (bottom) " 2 "	91
2d " " 2 "	54
	<hr/> 215

3a p.m.

J. lat juv short grass pasture
 near stream

~~Metell mod mod dry short
 grass~~

~~Parat cucu mod mod layer
 sand the grass damp area
 near stream~~

~~Arde ^{loticaudex} ~~regia~~ 1 ♂ up in
 willow about 5 ft, near
 stream.~~

H. rugos j the grass pasture
Isle major? under bark
 of pine, many many j in
 colony ~~one stump~~
 all large after nest

Random notes

Everywhere between
West Point La & Opelika
Ala. N. r. crepitans was
heard at rare intervals.
VIII.1.

Everywhere between Wald
and Evergreen Ala a
loud harsh note raspy
note was heard at rare
intervals - comparable
best to N. caudellianus ^(is that sp.)
VIII.3

Evergreen Ala. a single
Pteropus singing high
in a water oak VIII.6.
VIII.4

3 Evergreen Ala VII-4-1915

Scarcely rolling country
much under cultivation -
forest high grown pines
principally slash yellow and
Apulosa sp, sweet gum etc -
broad "branches" w some
pines out many areas
of magnolia, gums and
some tulip tree, holly etc -
A few saw palmettos. A
much jasmine in pine
wds. In open occur
marshy
wavy areas of weeds
juncus etc.

Tryx brevicaudus mod num in
marshy area.

Arde agile? juv mod abt
same 1st seen in Texas.

Perip brunnica seen dead
in street, not Texas.

L. viridis occur in fields

Syrb asus occur in grass
in pine woods

Ther. rarus 1st juv same
El. pilid mod num same

A. uhleri 2♀ same

Scudd 1 ♂ same

C. square mod common in forest leaves & pine needles

P. pulch 1♂, occurs in low green bushes or, forest near branch

M. gueneus scarce in heavy forest magnolia, gum and some Holly & lily tree - ground almost bare covered in leaf litter and few scant leaved forest sprouts. 3♂, 1♀.

M. moreci gr occ^{ns} locally there. 7♂ 4♀ mod

Ichneumon, common in leaf litter

N. fasc woodi j & v common ads & scarce in leaf litter

N. car. ads occ few j ibid

N. proavis 1♀ ibid

Hapite few few in scant shoots there

A. exigua 1♀ ibid

● A. saltator 1 juv beaten
from heavy low bushes
near stream in forest

Microc 2j beaten from
heavy bushes in pasture

M. j soc common in short
grasses of pasture.

M. verticalis juv same

C. antillar 1 & j beaten from
low heavy bushes in forest

C. saltator & one juv in grasses
in border forest.

S. carol beaten from low
grasses of pasture

A. acid j & one juv under pine forest

$$\begin{array}{r} 273 \\ + 215 \\ \hline 488 \end{array}$$

P. M. P. trinita 3 common
about house

● Pterodroma & j fluttered out
of water oak falling with
a third under the light

A. cand very rare 2 heard
in trip 3 mi out in woods in field

4 Spanish Fort, La VIII.5
Shore of Lake Ponchartraine
marsh. High grasses
(plant 2) areas with
clumps of marsh weeds
other areas of arrowweed (?)
and others of rushes

C. fasc sermunda grass on
levee.

C. spart rare in high
marsh grasses.

C. mygroph abundant
locally in same

C. n. sp. ? 1/2 same

Parot florid mud common
throughout marsh

S. druc thunon same

R. micropt very common
in rather large local
areas, everywhere seen
up in small willows
as high as 15 ft from
ground.

Tetlig lat occul in
high marsh grasses

Tetlig apic ? few there

J. magnificus / locus 17
same.

A. agile very common
partic in low areas
of marsh grasses

A. nigrus common &
widely distrib thru marsh,
& always single and
strid usually up in
some tall weed several
ft from gr - fearless
& easily taken if care
is used in apph.

C. virid mod nos in
grass of levees.

Tryp 1 noct Arct noct

3d. Layer 2 lot 62

4th " " 50

5th Top " " 20

Romalea paper 105

Romalea other " 139

1L - 3 lot 27

2L " 26

3L " 57

4L " 62

+ 550 1038
488

day work 550

The males of Roualea are continually attempting to copulate - approach the females cautiously and then suddenly springing at them with surprising agility. When upon the female they give "the wings" brief but continued flutter jerking at the same time from side to side, this is done before and also during coitus the females also rarely making the reverse action.

1st layer	box 4	15
5	" last " 3	34
2	" " 4	30
3	" " 4	28
4	" " 4	23
5	" " 4	15
6	" last " 4	27
1	" " 5	16
		<hr/>
		182
		1038
		<hr/>
Total -		1220

Arleano Canal

5 near Spanish Fort VIII-6-

High grass of at present
dry fresh marsh intersp
w mallows & other plants
w occas willows and
large saw palmettoes,

S. aeneus 2 ♀ there

S. obscura 2 ♂ 2 ♀ "

I. marginatus ✓ no occas
no ibid.

Trax brevis ✓ very common ibid

A. vigilans name occasional

A. nigripes mod common

A. latipennis "

A. latipennis ^{laticauda} very scarce

C. n. sp 1 ♀ ibid - flew
vigorously

P. atl common there

Heligodesa soyle "

Homocoryphus 1 ♀ "

Quoc. biops 1 ♀ juv juv ^{see note under 9.}

Mon. sp juv "

A. florid 1 ♀

See opp page for
count

5a same p.m.

~~H. malincol~~ mod mod
everywhere in high marsh
grasses - Sing dzu-dzu
8 to 5 around preceded by
a rustling sound only
audible nearby.

A. nigrip & high in willow
stridul

Rana minor ~~depressed~~

N. triops occasional

$$10 + 1220 = 1230$$

4a Spanish Fort VII-6,
p.m.

~~H. malincol~~ as above
also

N. triops

other spec sleeping
in marsh grasses

Box 6	layer 3	18
"	" 4	22
		<hr/> 40
		1230
		<hr/> 1270

6 New Orleans La VIII. 6

In drained swampy land.

J. apic v scarce among short grasses

J. lat common same

A. exigua few "

A. pulicaria 1 ♀ 2 ♂ "

P. pulle 1 ♂ beaten fr bushes

N. j. soc few in short grass

N. cub mod nos "

Tryllus 1

C. viridis common in short grass of levee

E. minuta on bare marsh of heavy swamp

R. nux abundant

N. apt 1 ♂ beaten fr bushes

Box 6 Layer 1 = 48

1270

1318

24

1342

Box 6 Layer 5

7 Harahan La VIII. 7

Short grass of levee

Chort via common

A. pilid & scarce

J. brevic 1 there & dark 1 in

heavy willow swamp
border of river.

mud border of Mississippi

J. apic common

E. minima rare

Leptogila 3 sps few

few green plants in heavy
willow swamp bordering
Miss in dense alder

Numenius (wk leg) there

Dorn beaten from high
grasses beside road

Numenius (w 2 legs) old field

P. pulchellus underg under
live oaks

J. ult on shell road

C. brevif few & slender locusts

C. nigrip common there & swamp

C. agile 1 same

P. florid 2 & live. in grass

89

13

+ 1342 = 1444

102

5.6 Orleans Canal VIII.7
 Further work in same
 situ. as 5. Long search
 failed to reveal Couoc n. sp.
~~A. bradleyi~~ found to be
 widely dist. but mod scarce
I. apiculata? 1♀ much
 on canal border - all seen

26
29
30
19
<hr/>
104
1444
<hr/>
1548

8 Morgan City La VIII. 8

Heavy swamp of Tupelo
gum and cypress - under
few saw palmetto and
vines, shoots etc. ground
bare black mud.

Two areas of very coarse
swamp grass.

R. micr or ~~few~~ in heavy
low veg edge of swamp
H. ovalis small colony
in banana clump & low
grasses at sta, p.m. VIII. 7.

Tithizidea on mud

annata common in swamp

lateralis mod & particularly
near edge of swamp

apicul scarce in swamp

Dore 3 ♀ from grass & plants
in swamp

H. palustris 1 ♂ in heavy coarse
grass in swamp

A. exigua great nos in
low plants in swamp

A. pulis mod nos in low
grass on edge of sw

Microtus 2 sp? mod
common in swamp on bare
mud.

Dryllus the same, a few.

T. brevis ~~very~~ common
in swampy veget

P. florid the same mod
common

T. marginic ~~id~~

A. agile occul in high grass
& plants in low waste field 18.

A. patescend same

A. nigrip everywhere thru
green swamp undergr.

Notell occul, swamp, mud

A. areuoo " " " "

S. fureata v. scarce in swamp undergr

S. carolina " " "

A. florid swampy spot edge of mud.

C. antillar ¹²¹ beaten from bayberry ^{high} swamp

C. saltat 1j " " "

85	1548
19	262
100	<hr/>
58	1810
<hr/>	
262	

C. columb 18 beaten from edge of sw
undergr

9 Rhoda Ia VIII. 8. 1915
Swamp areas about
mill pond. material
referred to in notes
under 8.

1810
23

1833

write
labels

aver 267 per day
1st week
joint work 1/2 week

The song of M. troijs is a
continuous but interrupted
buzzing ~~very~~ ~~very~~ ~~very~~ ~~very~~
very loud. The notes blend
more than do those of the
other sp of interrupted song
but the recurrence is
apparent at a consid dist
not only when nearby as
we stated in her paper.

10 Lafayette La VIII. 9

near Bayou in tall open
forest of tupelo oak & cypress.
Underg of swamp grasses
& low plants, some weeds
and vines

A. uhleri common

N. triops 1 ♀ H

Camp. Carolinensis 1 ♂ R

H. agit mod comm (and
also common in heavy
"branch" underg)

A. saltat 2 j (and 1 ♀ in
heavy branch underg.)

S. fusc scarce

M. robustus mod nos (A
also scarce in heavy "branch")

C. brevis juv & comm ads
comm. (also in heavy "branch"
there larger in more swamps)

Along bare mud border
of Vermilion Bayou.

E. minuta swarming

Tellgids mod nos

In heavy branch underg

C. columbiana 1 ♀ R 1 ♂ H

Q. vulg 1st strid loudly
in bush on edge of field H.

Q. nigrip common in
swampy underg of branch
H. maliv 1st H in heavy low
broad leaved swamp grass
in "branch"

P. clavuligera mod comm
in swampy underg of branch

A. exigua everywhere occul
in swampy grasses

A. pulic mod mod in low
grasses near swampy areas

H. fasc underg of open ^{refulgent} forest

H. cub 1st H underg of same

C. viridif common in fields

Ischnoptera 1st H under sign
on oak, other P.M same

D. viridis common underg
of open ^{refulgent} forest.

36

34

121

36

54

281

1833

2114

C. diaphana 1st under
sign on oak

11 Lake Charles La VIII-10.

Oak "hammock" land
ground covered in places
with broom sedge - other
areas of low plants, bushes
& vines.

A. pulic few in low grasses
Pseudoscrub same. Much
beating success. to sec. series.

H. agit. there very common
I. lat or few there

N. fasc not woodland nor
there just only from this area
small darker spec from
marshy spot in open.

A. angustif 1 juv from low
bushes beaten H

A. quadri 1 ♀ sweeping there R

C. brevif mod nos in wood
underg, most brilliant & so
common in open marshy area

D. viridis common woodl underg

C. elegans scarce same, mod
common marshy open area

Ictig arenata woodl underg

I. marginat id mod open marshy area

S. vittiger common marshy area
1 at light at night

S. americanus few, undergrowth

A. agile ² common marshy area

A. glaberr loc not scarce in
low plants on edge of woods

Diapleron beaten from low
grasses in oak woods, A

H. maliv 1 ♀ taken same H

S. aduiv everywhere common
esp in grasses

J. brevic common marshy area,
and 2 at light at night

M. robustus mod nos in
underg of oak wds.

C. saltans few in grasses in
opening.

A. nigripes few in marshy
areas

Chortoph common in ^{or} salt
grass.

A. florid 1 ♂ ² marshy open area

A. oblique 2 ♂ under oak rd

S. carolina few " oak wds

2114
+ 329
2443

Paroxalt common
in swampy grass

12 Le Bleu Settlement, 1 mi.
east of Chloe Fa. VIII. 10.

Long leaf pine flatwoods

O. milit. few in marshy
area in open ^{L.L.} pine woods

C. strictus common, under
of all pine woods & adj. prairie

C. sallas very rare few mod
nos there

C. brevif. few mod nos under
of all pine woods

H. negundo 20 edge prairie &
L.L. pine woods

Asplia western sp 10 H prairie
near pine woods

S. american few on prairie

M. luridus in areas of
low Myrica cerifera in all pines

F. nebari 10 under all
pine woods H

Anax pulch 1 swampy spot
, grasses in. L.L. pine woods

C. eleg common, somewhat
wet areas in L.L. pine woods
and adjoining prairie

Parot all places

N. fasciatus common
same.

Leptogids a few same -

Open prairie 2 mi W of
Culver -

A. concinnus loc mod nos
in coarse sedgey grasses

B. borealis occasional
there and in grasses in
damp areas in pine woods

Morone adult in prairie
grasses H

A. uhleri 1 large ♂ same H

M. scudderi few j in
areas of Myrica carifera
in & C pine woods

2443

215

2658

544 for day

13 Sabine Tex VIII. #2 11

Flats of various marsh
grasses with bordering
tidal areas of a sort of
cane and bare "adobe"
salt pans.

M. differentialis mod nos
on flats partic in weedy areas

A. blinacea common both
on grassy marsh flats & in
tidal flats grasses

T. citr? 1st H on bare "adobe"
salt pan. long reach.

Quiscon ferruginea 1st H.

Scalia found in heavy bunch
of grass (see 3) on marshy
flats.

Eucopt Tex 1st H weedy area
on flat near village

C. squarrosus or common on
grassy flats partic about
plant (see 4)

C. antill mod nos same

H. agit mod nos same

C. micropleuroides occasional
in cane (see 5) on waterfront

borders of tidal flats
most wary and agile
in movements - Series
taken after continued search.

A. aperturæ common on
landward portion of
tidal flats in Distichlis
(Euo 6), few on marshy
flats in grasses (Euo 3)

A. hyzopæ few on tidal
flats, common in grasses
of marshy flats (Euo 3.)

J. marginis 1 ♀ # only, tidal
flat grasses

Stagnum carolinæ grassy flats

B. borealis 1 j H + very
rare in grasses of marshy
(not tidal) flats.

Paraid munda 1 ♂ R few j
in weedy plants on marshy
(not tidal) flats

Beaumont Tex VIII. 12 P.M.

C. undulata 1 ♀ at light

D. armilla 1 ♂

$$\begin{array}{r} 2658 \\ + 243 \\ \hline 2901 \end{array}$$

14 Houston Tex VIII. 12. 1915

Oak groves and some
pine - almost flat country
N. proavus & scarce in
ground w acut veg, grasses
& plants under oaks

J. lat common there

Aerydium few there, ^{mod} numerous
on bary sandy bottom of dry
stream bed nearby.

Neotettix 1 ♀ on dry stream bed.

Frubardi common in grasses

Anax n. sp? 1 ♂ H.

Asphondylia western common

A. pulidula few

Asphondylia western 1 ♂ H low and dry
grasses in pine forest

Parabacillus 2 ♀ low grasses
in pine forest.

Rom. micropt 1 ♂ 1 ♀ R same

Campyl. carolinensis beaten

from lowest branches of oak

Cerat diaph 1 ♂ H in Spanish
moss on oak

C. antill few few same

C. squam same sds & in under logs

S. pure 10^A in pine woods
A calcarat 1² R low
swampy grasses in oak woods
Campylae just common in low
green plants in grasses.
Mit just under by pine woods
Symb ubiquitous in grasses,
Chort mod nos " "

2901
203

3104

16 Harrisburg (2 mi W
Central Park)

~~near Houston~~, Tx, VIII-13

Solid short-leaf pine woods
w low typical underg.

Very unproductive but in
heavier grasses & some
plants along RR there these
woods considerable found.

C. viridis common in sh
grass - open areas in pines

R. micra high grasses along RR

B. borealis occul. same

Pseudoxyle few "

Diaple ads occul. juv comm
same. ~~persimilis~~

M. scudd 2♂ 1♀ juv mod
comm same

M. western sh w 1♂ same

M. impiger? few juv "

S. adnir common "

Mermis maculif 1♂ H "

Parox all 1♂ R "

Ambly ulierei few "

J. lat 1♂ H "

H. agt 1♀ in some "

Orde. glaberr 1♂ H "

Campylac ~~few~~ ~~few~~ same
moconoc

In flag-like saw edged grass
along stream

C. nigrip occul 1 ♀ 2 ♂ H

J. brevic common

S. vitripennis 1 ♀ H

In acid undergrowth of
pine woods

H. rugosus 2 ♂ 1 ♀

Arphia western sp. 1 ♂ H

C. pilidica 1

Stagmomantis, Callim??

in grasses & vines along RR
occul.

61

13

15

16

19

10

134

3293

3427

17 Navasota Tex VIII. 14. 1915

a. rolling country covered with post oaks, sandy soil w scant grasses & high weeds some hard bushes

b river bottom land w stretches of short grass & areas of a low succulent vine - heavy timber near stream, sandy areas along water

M. robustus mod nos in weeds & grasses on post oak hilltop
Hadrot a few in open, scant grasses there

M. diff ubiquitous, w abdt in ^{weedy} bottom

Boopodon small nos in ^{shrub} grassy bottom land ^{up in succulent vine areas} areas

Arphia large, mod size colony as Hadrot.

Neotobrea large colony same

S. obscura mod common cotton

J. citr few on sandy areas near str

Mermis common in high grassy areas among post oaks

Syrph admir ubiquitous & common

Encyrt large common as Boopodon not in vine

Agrostis no fu in short grasses
on post oak hilltop.

H. rugosus same.

M. shw blue leg mud nos same
also in bottom land near woods

Amelyc large 17. foliage in post
oak area on hilltop

A. uhleri common there in low
plants and in high grasses

Hesp spec 1027 in high grass
& plants same.

Mel. Lw blue leg bottomland
grassy area.

Mel sandd fu in bottomland
on edge of forest; mud nos
in low bushes in post oak hilltop

C. virid mud nos in low
grass areas of bottomland

E. texensis fu on bare above

Musodilod mud common in
low scant grass of hilltop

Arphul gt nos in short grasses, bottomland.

Hapith in vines in grasses of post oak area

Paratett common, sandy stream border

E. minuta same

A. vulg fu in grasses on hilltop 10 ^{part} _{juv}

A. nigris mod nos in veg
 along edge of woods in bottom
A. calcar & singing in nos in
 new thorn & other bushes, & in
 nearby high grass; just oak area.
S. purc usual bottom land.
 All Phaguids ^{perhaps} ~~beaten~~ from
 high grasses on post oak hilltop
Trigonidom very few in scant
 grasses under oaks & near succulent
 vines, all in bottom land
C. squame 2 juv same
Campylac in plants among
 grasses on hilltop
C. strictus few in grasses on
 hilltop
C. fasc grasses & vines in
 bottom land, common.
Acc. same 1 ♀

$$\begin{array}{r}
 4016 \\
 + 261 = \\
 \hline
 4277
 \end{array}$$

18 Kearne Tex VIII. 14-15, 1915

Paratett very common on sandy
shore of little Brazos River

Asphulella common fields of salt grass

Hipp rugosus v few same

Hipp naussurii? 1 ♂ "

Eucrypt tex on bare adobe mudros

Eucrypt western few, salt grass fields

Large blue leg long is western red
common in weeds near port oak

Large same brownish red
few same.

H. prat very scarce same
mercur common ^{in high} grass

Spharag wyom bud large
colony in grasses of sand yards

Chort viridis mod nos in fields

Hapith in vials little Brazos R bottom

Sh w blue leg red occur in fields

M. scudderii few in port oak, thickets

S. americ occid ubiquitous

M. diff in great nos in high weeds

S. admir common ubiquitous

C. nigrip common in fleshy leaved
plants & muds in water of little Brazos.

378 399 470 511 || ||

Q. sp? 1 ♀ same

Q. calcar in grasses of forest of ^{bottom} ~~Brays~~

J. marginic in area of bull oaks

N. n. capitatus 1 ♀ beaten from heavy grasses

Campoplex 1 ♂, no location in plant in grasses

Pseudoxanthus in grasses near post oak thicket

Mel. n. w. blue leg heavy, few in scant
plants & grasses in heavy bottom forest
of walnut junipers etc.

Alc. yellow head 1 ♀ same place.

Lactista colony in sanded area

Mesochorus 1 ♀ scant grasses near road

Acorydus 1 same as above Mel.

Leptogaster 1 juv "

Aspilota smaller 2 ♂ post oak woods

Aspilota larger 1 ♂ sandy area bordering "

Sph. crist occul " " " "

P. parvistratus mod. nos " " "

Mel. n. w. sps grasses same & in woods

Sph. bolli. juv in dead leaves of post oak area

D. quercus 2 measurements in sand

of wash in post oak woods

Alc. pale sp. in post oak woods

Mesochorus & few grasses near " "

$$\begin{array}{r} \text{Taken?} + 298 = \\ 4277 \\ \hline 4575 \end{array}$$

C. breweri here veget in streuous bed
Agrostis Sandy waste field

19 Elkhart Tex VIII. 16. 1915

Rolling hills w chiefly a short-leaved pine
other trees hickory, oaks, sugarcane etc.

A. carinata occurs in openings & along borders of woods

A. low crest 1 ♂ " " " "

S. bollii few in woods on dry oak leaves
Muraie along border of wood in tall
grass patches

S. adnigr same w same, few in woods

Syrb. f. cov 2 ♂ in tall grass on wood border

M. lucid few in clumps of oak shoots " "

M. western low blue leg common old field

Sph. crist occurs in sandy old field

M. acut common in grasses & plants

along wood border & also few in wood opening

Pseudocym 2 ♂ slender tall grass wood border

Diapher 2 ♂ few in wood " " "

C. virid ubiquitous wood & field

A. pelid widely distr, woods, sand.

A. am west common sht heavy grass ^{valley} bottom

Arch. nigrip common tall weeds along ^{valley} bottom

A. calcar 1 ♂ same J. citr sandy field

N. troops 1 j ♀ " S. obs few in ^{field} fields

Microc j ^{field} edge of woods

A. ubleri 1 ♂ 1 ♀ same Parat stream bed

Campy common ^{field} ad soc weeds in

Succd on same Hipp few same

30 39 30 17 43 2 161 + 457 5 = 4736

20

Dallas, Dallas Co.,
Texas. Aug. 14, 1915. (R.)

A.M. Collected in edge
of prairie region some few
miles S.W. of city, also in
fringe of low oaks and
~~junipers~~ in shallow
ravine near by. Prairie
region partly cut and partly
tall grass & weeds, apparently
no difference in species.
~~Staph. car. Nymphs num.~~
~~Diaper sp(?) & Pseudoceryle~~
~~sp. fairly common in prairie-~~
~~nymphs outnumbering~~
~~adults.~~ Mermiria mac.
neopex. common
in grasses in both situations.
nymphs very common -
female adults not
numerous. Synchlora
everywhere abundant -
♀♀ less numerous
than males. Neopero-
lettis 1 ♀ (all seen taken
in prairie)

^{packardii}
Melanoplus ~~brevitarsis~~
Taken in grass. M.
~~affinis~~ affinis several
in more waste-like spots.
M. scudderi & other
short-winged species
in tall grass & weeds
under trees & also less
numerous, out in the
prairie in the taller
grasses. Phocta liotes:
all nymphs - in prairie
Mel. curidus & other long-
winged species in tall
grasses. Campylacantha
associated with

Phocta liotes.
Mesochorus not numerous
in grasses. Con. strictus
not common in
grasses.

P.M. Same loc. & date.
Adjoining portion of
same prairie and
ravine region.

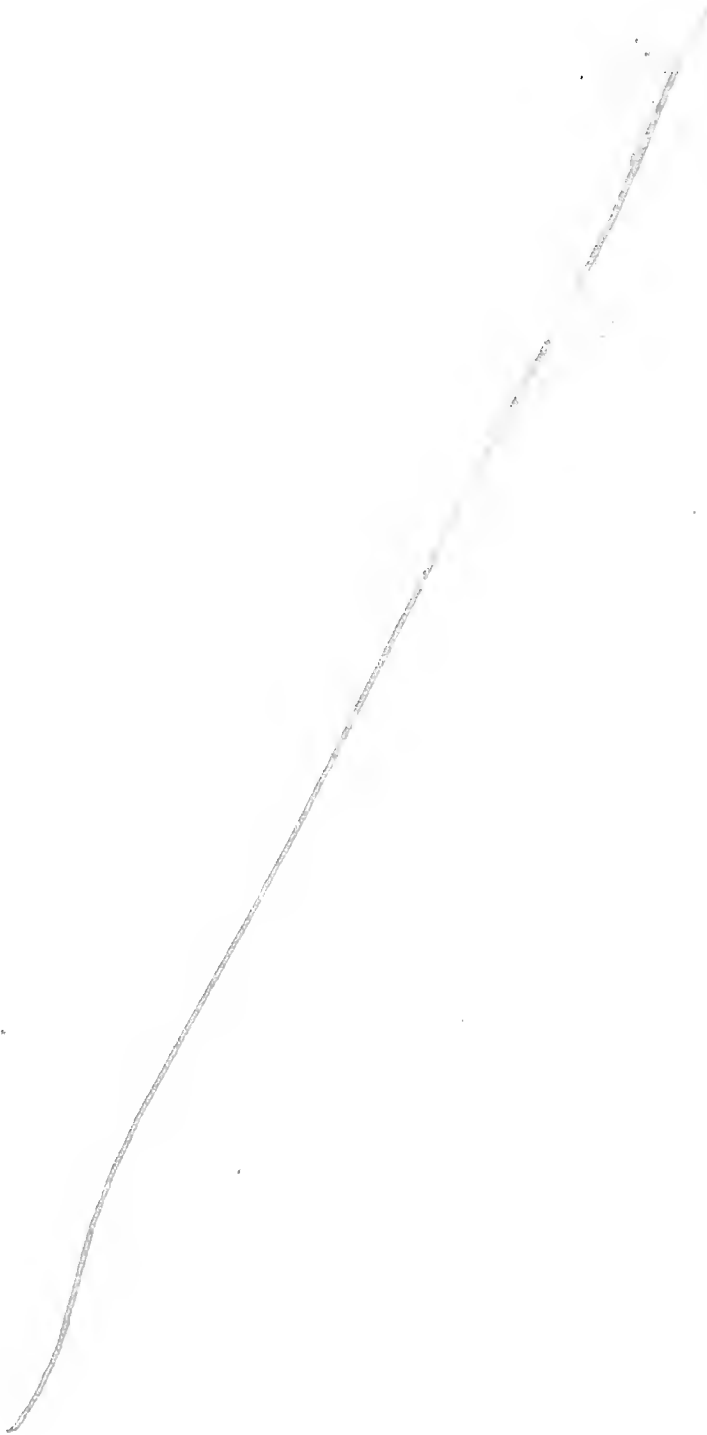
Notes as in morning
~~notes~~ with these
additions.

Sch. americana. In raising
weeds.

Arct. grac. cuneata 1
♂ taken from green
weeds & grasses on edge
of prairie.

A. grallator 1♂ 1♀
Same environment as A.
g. cuneata.

28
28
24
53
50
23
24
24
17
<hr/>
271
3427
<hr/>
3698



20 (continued) In old field,
untouched prairie and
brush land and on bare
whitish soil mixed with
fragments of whitish lime-
stone. The limestone under-
lies the whole region and
comes to the surface in areas
where it is quite evident in little
ravines and washes.

These notes are supplementary
to those given previously.

~~Attagenus~~
Mercuria mac. Commoner.

than M. neomex. in old
field growth. The latter
species more abundant
in prairie. Chortophaga - in old field
chiefly.

Encyrtoloporus costalis
1 ad. & 1 nymph. all
seen - taken in prairie
condition.

Mestobregma. All seen
taken - on whitish

1000.
soil.

● *Monotus* ditto ditto
Trimerotropis " "

Campylacantha. Abundant
in certain weeds - several
adults all seen taken.
Hesperotettix. Sparingly
in both native prairie
& old fields - all seen
taken.

Mel. diff. Common in old
fields.

M. atlanticus, ditto.

M. two short-winged species.
Numerous in grasses -
particularly in native
prairie - most seen
taken.

Paraidemora found
with short-winged

Mel. About as numerous.

Arcthaea frag. consuetudo

● Two species from

Arcthaea frag. consuetudo

In two bushes & in
grasses - all seen
taken.

Crab, rot. paripennis
19. Beaten from grasses.
Blattella blattellae

Cyclopterus 3 Beate

21

32

14

57

23

147

23698

3845

20 (continued) Aug. 16, 1915.

In prairie grasses &
weeds, areas of short
grass and exposure
of bare white soil &
broken limestone, also
wash and wet limestone
along bottom of
ravine.

All notes supplementary
to previous ones from 1.

This locality.

Paratettix fairly numerous
in wet areas of wash material
and on bare limestone
along small stream in
bottom of ravine.

Encyrtolophus Numerous
in certain areas of short
grass.

Hippiscus numerous
in short grass.

Hadrotettix All seen,
1♂, 1♀, taken - These
in short grass of bare
prairie area.

Trimerotropis citreus
in ravine bottom.

Trim. sp. Similar
situations to where
seen yesterday. Practically
all seen taken.

Metotrypa In
short grass on bare
prairie & on bare
soil.

Agricottus. Beaten

from grasses.
Schist. obscura Taken
from trunk of oak in
open woods.

Desperotettix vir. Type
All in tall grasses.

Neop. speciosus 1 ♀. Beaten
from grasses.

Am. blycory. Beaten
from bushes & grasses.

Arctaea pall. 1 ♀. Beaten
from low plant in bare
prairie.

Arct. glac. can. lutea

2 ♀. Beaten from grasses.

Apithus 1 juv. beaten
from scrub.

17	2d week
30	Thurs VIII. 15
41	2571
50	1st 2 weeks
26	4404
7	over 367 per day
	tot " 314 " "

3845
4016

21 Palestine Dec VIII. 16

Low hills, soil clayey and sandy, covered w rather heavy deciduous forest of oaks, sweet gum, hickory etc. very poor collecting -

M. scudderii mod. common in undergrowth

S. admirer same

@ 4 punct halia from weedy areas

Arph crist 1 ♂ edge of forest

Mel l.w. westwies. in grassy waste fields, mod nos.

Arp pulid occurs in woods

Chor vivid ubiquitous, not common

S. american same

Nomot 1 ♂ ~~wood~~ undergrowth

C. squam 2 ♂ same.

H. rugos open areas of low grass ^{few}

Burns for 1 ♂ 1 ♂ same

Campylid 1 ♂ very common in weedy open areas upland

N. tropis 2 ♂ high grasses in open

C. brevif few in heavy grasses & shrub near stream

Aec. latip 1; same

Diaph 1; grasses near wood.

Paracrypt 2♂ in post oak about
12 feet from ground. Singing
at night, song gruck ---
gruck-gruck, very loud
and harsh, when held this
note was frequently given -
One place I heard, at
another 1; this in about
3 miles covered.

Spialor 2♂ in post oak
shoots near thicket of
same. Song djick ---
djick, not powerful and
appearing to be from a greater
distance than is the case.

Romalea in post oak at night

M. differentialis "

M. robustus "

67
4736

4803

22 Tongueux Tex VIII, 18
slightly rolling country
much pasture & open -
forests of a short leaf-pine,
sweet gum, oaks, hickory, etc.
Chort vividig occurs in
open grassland.

Orph ^{2 sp?} western mod common
in open short grasses

H. negosus few same

S. american common in high
weeds along R.R.

Mel western l.w. few in
open grassland

S. bolli few in dead oak
leaves of heavy decid forest

Mel luridus few in scant
underg of oak plant
A small bushes in heavy
decid forest

Mel n. sp? mod common
partic in small

colonies same - series
Taken by long & careful
search R.S.P. some

C. squame mod common

mel arborescens 1 ♂ on
trunk of a sh & pine in
forest — 3 ft fr ground

O. fulid common underg
of forest

S. admir few same and
in open in heavier grasses

Campylo few in weeds &
high grasses in open

Brum boreal 1 ♀ 3 ♂ same Rlj

O. vulgare 1 ♂ ♀ H same

H. agitat common in low
wds bordering stream
among willows

O. nigrip few H same

A. exigua common

C. columbiana ^{3 ♂ 1 ♀} same all H

Orocharis 1 ♂ H same

Ittigida 1 as M. luridus H

Acrydus 1 same H

Diapherone ^{presumably} 1 ♂ 1 ♀ H

Heurot few, mod nos in
wet spot of low plants
in open 1 ♂ H

Pasatilis 1 ♂ low grass bordering stream in open

Scudd 1 as M. luridus

M. fumer n 10 H weeds
in open.

C. brevif fud as Hapilms

M. diffre O Tabu, several
seen in high weeds of open.

28

60

44

45

27

204

4803

5007

23 Shreveport La VIII. 19

low rolling country with forested areas of oaks, sh-
pine, pines, Hickory etc
and meadow flats w
areas of low & med high
grasses & plants.

S. americanus 1 in meadow flat
Hipp. rugos common same
Urtica mod nos

med. west. Arph. common "

Syrb. cidus few same & in
underg of forest

Arphica very few, underg
of forest.

S. bolli mod nos in ^{dead} oak
leaves of forest

Brunnera borealis 1/R in forest
underg; 3 ♀ H in ^{low} plains &
grasses on edge of forest in
meadow.

A. uhleri few underg of forest

C. saltans very few in
meadow grass on top of ^{low} hill

C. strictus few in underg of
forest, in great nos. in

● short grasses of low meadow

C. fase 1 ♀ H same

C. brevif. few in forest

underg.

M. luridus a few same

D. viridis common in damp spots of same.

A. pilid mod nos in forest underg

M. tubuloid? or cap (fougius) very common & widely distributed but rather in colonies

throughout underg. of woods

M. scudderi occul in underg. of wood.

M. retinerve 1 ♂ R same.

Mel robustus few H among oak shoots in woodl underg

Diaph j common in woodl underg part upon oak shoots

Stagne car very few in woodl underg

● Aes 1 ♀ H underg of woodl

● Anch nigrip in low veget near stream.

Mel w west in old grass of meadow

Tetragidea latum near stream

Acyd 1 j H low meadow in
short grass.

Neotell mod. common same

Cyclopt aquana juv in underg
of forest.

Scudd juv j. in underg. of forest.

C. vulg 1 juv j - underg of forest
near stream

22	
56	
60	
53	
51	
<u>12</u>	
254	+46
5007	
<u>5261</u>	

Killed 1 large water
moccasin

24 Arcadia Ia VIII. 20

low rolling country of clay, in part heavily forested; some places almost wholly a short-leaf pine w. much grass various plants & vines beneath; other places nearly all deciduous, sweet gums, sycamore, in the bottom swamps etc, little undergrowth of plants, trees of great size.

M. robustus in undergrowth of both types of forest; scarce

M. tribuloid? same, partic near streams, mod num.

M. scudderii same and also in open in grasses in large num these paler in coloration.

Diapler in grasses & plants of short leaf pine forest

Pseudom 10 H same

Arph carinat same & on forest borders, second small colonies.

Drummen boreal / v
scarce in grasses in open
ag. 1 in grasses of red pine forest
C. vulg common in tall
grasses & Maize in open
sing. males v hard to take 10 H
Amb uhleri few at pine woods
H. retisus j v common same
and also in grasses in forest
border.

P. uncinata on ads occurs
same.

C. brevif j common ads few
in underg of forest near
streams

C. fusc waste field

P. albans j common in fringe
of high ground at pine woods.

C. latif 10 H j occurs in
underg of sh bay pine woods

H. agit v few same

P. pulchellus common in
wet gum shoots partic
in forest chiefly of pine.

v see Dec. anticus pine j underg
H. luridus few in underg of
pine forest.

C. antiochensis forest yellow
same under baric of baric.

M. albano pro, waste field
M. west d. w. in spu, grasses
Synt admir common same
H. negorus mod nos

S. americ same "

C. viridif " "

Monot dentif 1st in same
in many of forest of chips
and leaf pile.

A. ferruginea under
sark of pine log

S. derop 1st H oak leaves in
many forest of oak tree

P. occidentalis under sark
of oak, all same same

S. brunneopurpurea same,
many not taken

S. civica same

Spu crist o pro in waste field
M. sark not sark in forest

L. pulchra common wood under

22

49

65

20

25

147

25

353

5261

353

5614

25 West Monroe La VIII. 21

River flat country,
forests of lofty sweet gum
oaks etc, meadows of
short grass, areas of low
lush plants

Orph one west, short grass meadow

Orph larger " "

Orph pub in grasses of forest
on slopes of river bank

S. hubardi 1♂ 1♀ H same

A. pub 1♂ H "

A. exigua mod nos in low
plants under willows on ^{river} banks

Anis forming large colony all in
cortex under bark in decaying
cavity of sweet gum.

~~Trich~~ pub same.

Schist obsc 2♂ H in lush veg
of lowland decidu forest.

Mel shw tub? common same
and also in underg of river
banks forest, darkest in dark pl.

D. carol comm in sh grass
in openings of river slope forest
H. nez few in short grass meadow

● Chor. viridif and nos same
Mel. fusc common in
lush veg in sh gr meadows
& in grassy underg of forest.
Mel. differ 1 R underg of forest,
grassy.

Cyrt. adnir common meadow
Arph. carin colonies in mead
of sh gr & in underg of forest.
Arch. nigrip common in
rank veg on river banks
few in same small areas in
meadow & forest.

Arch. vulg common in small
areas of rank veg in meadow

N. retusus 1 ♂, 1 ♀, common same

N. trunc 1 ♂, 1 ♀, common "

Arch. calcar 70 H in lush veg
in forest.

S. furcata same flat land & river banks

A. ulmeri in rank veg in mead & forest

A. oblongif 3 ♀ in rank veg of forest

● P. clavulif same and also in
meadowland, common, darker
in dark places.

D. viridis same, in great nos.

P. uncinata very few; in forest underg.

C. brevif is common in rank
underg of forests, near about
30%.

Arch. concinna common in meadow in small areas of rank veg.

Croci juv in trees & bushes in
river bank forest.

H. agit mud comes in under
of flat land & river bank fronts

E. minuta mod. nos on ground
in river bank forest

Acry arcuatus Sauv.

Paratett mod common on bare soil on edge of river. H

Micro reticularis 1 j H in
heavy bushes in river bank forest
Cantillan, Bulacan

C. antill or ~~sub~~ same.

Ac slender few in same
part in shoots of Hickory

N. bucceri in wet grass in
river slope forest

N. fasc in wet grass in
openings of r. slope forest & in meadows

$$\begin{array}{r} 26 \\ 17 \\ 48 \\ 20 \\ 78 \\ 47 \\ 72 \\ 36 \\ 100 \\ 34 \\ 29 \\ 12 \\ \hline 519 \end{array} \quad \begin{array}{r} 5614 \\ 519 \\ \hline 6133 \end{array}$$

26 Alexandria Sa VIII. 22

Slightly rolling rather sandy. Long leaf pine forest, rather open - underg much grass about 1 ft high and some plants - Branch of bay oaks etc w high plants A much grasses.

A. carin scarce three 2 specimens.

Manonera? " " "

Olizonyx 1 ♀ j R " "

Syrb adae common " "

A. pelid " " "

A. occid j " " "

Dend. Texae 1 ♀ H " "

Chort virid occul " "

M. luridus rare " "

M. triops few j, 2 ♀ " "

M. r. crepit 1 ♀ H " "

C. salt? few " "

C. strict common " "

H. nigr rare " "

J. hebardei 2 ♂ 1 ♀ H " "

Parabacillus 1 ♂ R " "

C. squar 6 fed *common in oak leaves in mixed forest* " "

Cec in weeds fed " "

I. lat few thru 2 l pines.

Neotell few in drier area "

E. minuta same H

A. pellic 1 ♂ in grasses of 2 l
pine forest, sandy soil near
branch. & also in mixed forest same 2 ♂

N. g. funeralis ^{3R} 5 H same - very
scarce - long search

C. trigonip? flies in low bushes
in branch

H. agit same & in underg l pines

P. atlantica common in
bushes & plants along branch

Nul scudderii a few about
oak shoots in pine forest.

Arde vulg few in plants
in branch.

Mura alas very locally
common in grasses of
pine woods

Neob. nomen 1 ♀ in ^{oak} leaves
in mixed forest

Neob same? larger 1 ♀ 1 ♂ in
sandy swampy depression

A. latipennis in oak shoots
of mixed forest

P. uncinata 2 j H undergrowth
of mixed forest.

A. ferruginea under bark
of pine stumps in mixed
forest - all ♀ in pairs.

Nowot 1 j R underg of mixed forest

P. pulchell 1 ♀ H " " "

Arphoclella western, short
grasses in low pasture

I. citreia in sandy road

Isch. juv under sign on oak.

Mucob fasc woodl j H branch
among leaves.

Acorydium 1 H ~~2~~ juv

Orocharis j bushes near branch

Mel western 1 j H among small
yellow daisies & short grasses
in open.

63 3d week total 2077

28 total " aver. 2127

44 daily " " 304

13

26

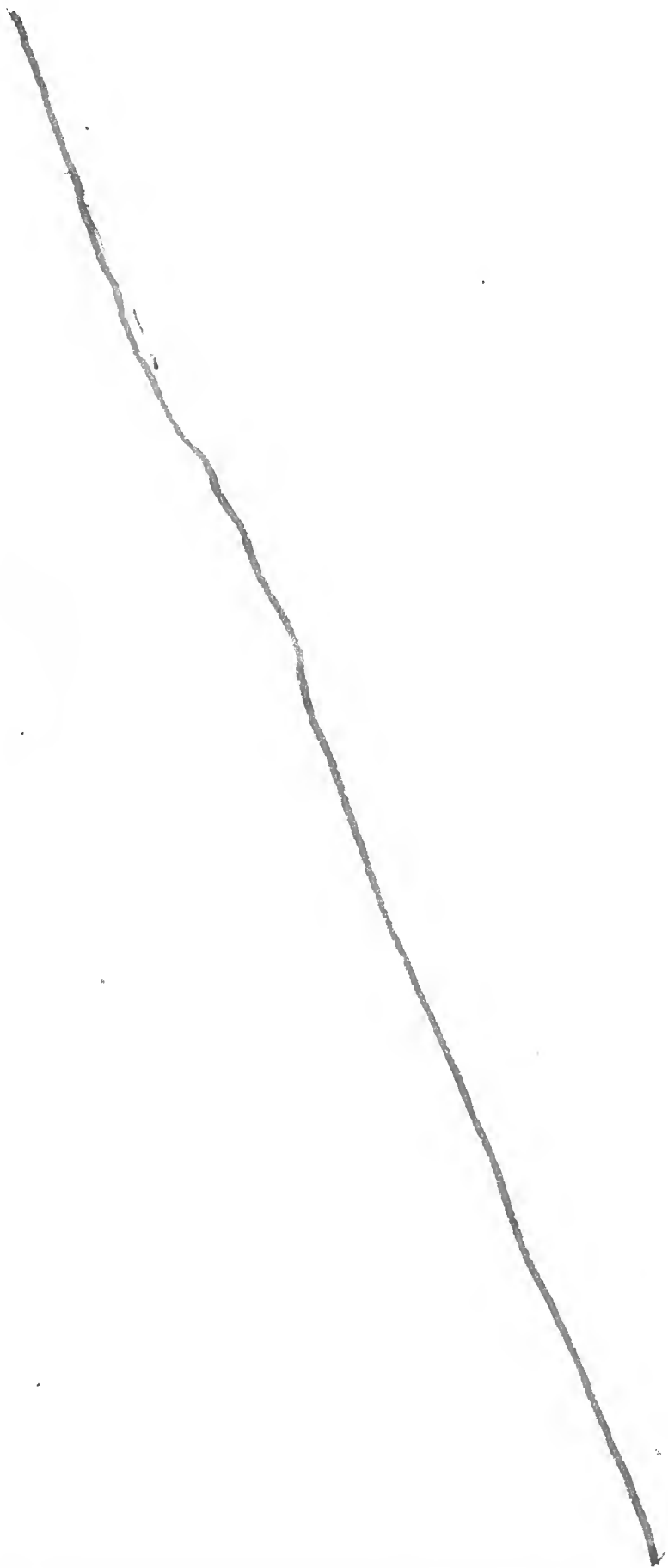
59

15

248

6133

6381



● 27 Pass Christian Miss.
VIII, 23. narrow sandy
strand

J. citrina occul.

Chort 1 ♀ R

back of this some grasses &
strand plants

A. olivacea 1 ♀ H

Low long & short leaf fine
woods - sandy with a
variety of grasses & plants

S. marie one colony H

Neotellix 1 ♀ R

Neotellix

Same marshy with much
grass.

A. glaberr very common

A. milit mod nos in
spots of standing water

J. lat occul

J. apic 1 H

Chirog eleg very common

● H. agit 1 ♀ H

S. admiss occul

Ne. fumer sub same
partic in waste field.

M. luvulus occur three
pine woods.

N. triops ~~common~~ 1 ♀ R in
high grass marshy area

N. melanor 1 ♀ R same

A. agile high grasses back
of beach.

A. occid j occur in pine wds.

S. carolina 1 ♀ j 1 ♂ j

Scudd tit occur in marshy
areas

Cyclopt R ~~accompanying~~ in
pine woods

C. saltator 1 ♂ H same

C. fasc marshy area

C. brevif marshy areas
in pine woods

C. apterum 2 ♀ H grasses
in pine woods

Mern alacris high
grasses in swampy
pine woods, 1 colour

Chc j underg pine wds

Parot alt common

swampy pine wds.

C. laurelis ? 1 ♂ H same

Manometta 2 grasses in
sandy pine woods.

Arphia occul. thru
pine woods.

Brunn boreal 4 ♀ H high
grasses near pine woods

Cyrtophyllus common in
high trees & tallies - note
more rapid than canellig
and given but 2 at a time.
Amblyc 1 ♂ H grasses in marshy area

49

33

46

14

142

6381

6523

mosquitoes bad.

28 Ship Island Miss

VIII. 24 13 1/2 mi fr. coast -

Sand dunes w sparse sand
grasses, sandy stretches
and depressions filled w.
brackish marsh grass.

Psidium mod nos dunes
& sand areas.

S. citr Hovery, few, sand areas

N. trop H marshy depression

Orch fid j. sand H

Parot 1 j " "

G. oliv 1 " "

Nest bolt 1 " ✓ "

mosquitoes in myriads

34
6523

6557

29 Cat Island Miss

VIII, 24 8 mi fr coast all H

Sandy stretches w sparse
sawd grasses, l l Pine
woods sedge grasses.

Brinnia boyal 1 f in sedge
grasses in open

Scirt marne colony on
sand, edge of pine wds.

Ps forest few same

T. citr 1 " "

Q. olivacea 1 marsh depr.

U. bolteri 2 j " "

mosquitoes in supermyriad

6557

15

6572

Labels
write

30 Sulphurport Miss

VIII. 24 & 25 Salt marsh

low plant & vines, cattails,
then areas of Distichlis
and beyond Spartina
low then high.

Q. agile weedy area on
marsh border in distichlis
Q. concinna bullrushes
on edge of marsh.

Q. fidic in high spartina

C. nigrop common "

few in low spartina

C. spartiacea in distichlis

are as ~~common~~ mod common

C. hygroph ^{n. rare} ~~mod~~ in

distichlis areas & low adj
plants & grasses in marsh.

S. maritima 1 low plant & vines

S. brevis 1 taken mod mos "

S. tenuis 1 "

N. fasc 1 in distichlis area

Q. oliv 1, ^{mod} common thru marsh

All H

mosquitoes very bad

31
6572
6603

Same VIII, 25-

Arch latic in "cane" along
edge of marsh, mod common

6603
45

6648

31 Springhill, Mobile Co.
 Ala. rather high clay
 hills w sand topsoil - Forest
 long leaf pines w occasional
 oak & sweet gum, some
 areas of low oaks and
 some heavy oak forest.
H. rugosus very common
 in short grasses in open
C. pelidna in great nos same
 and common thru pine forest
Arphia mod nos thru
 pine forest
Pseudoserice 1H beaten fr
 low grasses in same
Scirt avarus occ small
 colonies in sandy spots
 in same.
P. fuscus occul through
 sandy areas of same
M. luridus occul thru same
Metell ✓ " "
Falcic R underg of ^{pine} forest
Cryptopantel R beaten from
 heavy bushes in heavy
 oak forest
~~Orthocentrus~~ occul in pine forest

C. saltans few; under pine forest H

Qac heavy undergrowth of oaks & pines R

● C. squamosus in great
nos on ground through pine
forest. H

H. brevif ^{occid} ~~same~~ same H

R. brevif & occid same

A. occid & common thru pine
forest undergrowth

Sph bolli mod nos under oaks
in pine forest

H. phoenic 2 ♂ R undergrowth of pine forest

Mioq occid same & in short
grasses of open. H

Mel sundderi H very scarce
in oak shoots of pine forest.

A. apterum occid undergrowth of pine forest

Sc. fusc furc & occid near
branches H

Sc c. latic 1 ♀, & H in area
of low oaks.

Nem. ambit very common, under pine
forest

A. annulipes under signs

● on 29 oaks

C. ~~43~~ ^{70 52} diaphanes all but 4 taken

C. latic 1 H under pine woods

Sch. alulae 1 ♀, 1 ♂, 1 ♀ in
area of low oaks.

A. uhleri 1 ♀ H underg in pine
forest near branch 1 ♀ large, R
underg in high part of pine forest

M. impiger? # 1 ♀ underg
in pine forest near branch
Stagnum car # 1 ♀ same

29
43
58
14

144
6648

6792

32 Mobile Ala. VIII. 26

Long leaf pine, flatwoods
heavy grasses; similar
open deforested areas

R. brevif ~~occasional~~ under
pine woods

Parox alt mod common
high ^{grasses}; somewhat damp
areas.

S. cuneata few in (typ?)
bushes same.

U. retrusus few juv same
in tall grasses

U. alacris same.

C. glab everywhere common
in bushes & higher weeds

C. eleg common as Parox

S. carl ~~same~~ H

C. fasc few same

B. davis ? ~~10?~~ H in
grasses & deforested area

C. viridis occasional same

Arphia mod common

Hipp rugosus frequent

Sch american " "

U. lurid occasional

H. agit in (typ!) bushes
deforested area.

A. pelid everywhere mod nos
Diottis juniorat occid on
ground grassy deforested area
Monot 1st H same

I. lat jun "

Acryd 1R in scab short
grasses in cl pine woods

I. coulou occid under
signs on long leaf pine

C. diap conspic on same

I. citr 18 H dusty road

Uigr jun in short grasses
of deforested areas.

61

36

31

32

160

6792

6952

more 32a

33 St Elmo Ala VIII, 26

Young leaf pine flatwoods
damp black soil covered
w heavy grasses, ^{some} sundews
pitcher plants etc occul
clusters of Nyctica and (tyty?)
bushes.

C. elegans ^v common

Arphia common

Mercur mod "

Mel luridus occul

" nudderi very scarce

P. alt common

R. brevif j occul

A. pulic "

Saundersi 1 ♀ R 1 ♂ R

H. rugosus few

Pax obesa H 1 ad several j in
damp spot, sundews etc in
heavy short grasses

H. brevif 1 ♀ H in short grasses

B. davisii 1 ♂ 3 ♀ same

partic about (tyty?) bushes

J. lat as Pax scarce

L. armata 3/1 j H " same

B borealis v few w short grass

Ad. apt 1st in (type 3) bushes
in d. l. pine wds.

C. strict ocesul in grasses
in damp area.

Notul ocesul same

Numob fac. mod nos same

33
78
40
26
12

189
6952

7141

Irvington Ala VIII. 26

● Cypress depression in
long leaf pine flatwoods,
open swamp grasses in
shallow water.

A. milit mod common

C. elegans commoner there &
on damp ground among
swamp plants & grasses

P. obesa mod nos on damp
ground among swamp plants
& grasses

R. brev ~~occid~~ same.

Mernis mod common in
grasses of depressed flatwoods

Manomera 2 ♀ same.

Buloc 2 ♀ R "

Notell ~~occid~~ "

Syrb few "

Parot alt common in
grasses of damp area.

Mund ~~far~~ mod nos same

● Arple commoner as Mernis

H. rugos few "

Mioz 1 ♀ R "

Thesp grau 1 ♀ R "

S. lat mod no as Paeilla

A. glaberr mod comm
in higher bushes & weeds

Brunu boreal 17 H in high
weeds on deforested area

C. strict few damp area

A. apterum 18 ?

A. uhleri occul in grasses
of damp area

Leplysma 1 juv swampy area

49

68

18

12

147

7141

7288

day total 496

32a Mobile Ala. VIII. 27

Heavy gum swamps
with areas of high grass,
Sagittaria?, cane & shoots
of trees.

O. nigripes occul and also
in cane marshes H

O. ^{agile} bradleyi 10th H in fleshy
weed & sagitt? in water

C. sili-clonensis 10th 2 ♀ H same

Stagnum car 1 ♀ H same

H. agit 1 ♀ H ^{10th R} same in ^{tree} aprunts

D. lineare mod common
in cane, high weeds & cat tails

S. cuneata few as bradleyi

P. florid mod common same

R. micr 10th edge of cane brake

J. marginic few in swamps

J. lat 2 R

J. apic 1 H

Tryx mod nos "

Morone few j "

C. spartuiae in low rushes

edge of cane brake 1 ♀ H

A. pulic R edge of marsh

a. exiq "

49
26
12
87
728
375

27
35 Flomaton Ala VIII. 28

Rolling sandy hills, some
l l pines, mixed same & oak,
wholly oak, depressions l l
pine wds w scant plants
& waste land grass underg
and heavy branches of gum
magnolia, bay etc.

C. brevif comm in coarse, ^{short} n
grasses in low l l pine woods

Conoc juv. few same

Beloe davisii? 1 j H "

Pyrgocorypha 1 j H "

Pseudonura 1 ♂ j R same, 1 ♀ H

scant grasses on oak covered
sandy hill

A. uhleri 1 R ^{A plants} grasses in opening
in branch.

A. f. carnalis 1 ♂ R same

H. agit same

H. brevif H same as H Pseudonura

Q. apterura few underg of
pine wds, common in
oak sprouts in oak wood.

U. lividus several in oak
sprouts on oak covered sandy hills

● M. strumosus 3♂ 1♀ H same
Estell purillae few as
whiter, mod nos in scant
plants on oak covered sandy
hillside.

Arphia mod nos three
pine & oak woods.

Prionidia locally small
nos in sandy spots in pine
& oak woods

Scirtet loc mod nos same

S. bolli very scarce in dead
oak leaves in oak woods.

Tryx mod ~~large~~ colony as whiter

Thesp graen v few in underg
of pine woods & oak woods

Monotettix rare on bare
ground in low pine woods

A. glaberr common in high
plants or low tree shoots,
always singly, in low areas.

Sc cuneata R in low pine wds

● Sc fusc H same

● Sc c latic 1 j H sandy oak wds

R. brevip few in underg pine wds

E. minutā 1 H sandy drain.

Chort vivid 20 H short grass in ^{open}
A. milit 10 H short grass
 in boggy & l pine woods.
S. alutac oak shoots in
 sandy hillside ~~was~~ woods
A. pulic 1 H as uhleri
C. squam 1 ~~H~~ as alutac
Mott 1 H as R. prorepens

58

38

26

22

144

7375

7519

+ 37

144

- 181

36 Ft Barrancas, Fla.

VIII-28. Wide expanse
of white sand w few beach
plants & grasses back of
this few l l pines then
sandy higher ground w
forest of water oak, l l
pine, beach pine (Ew -)
& scant undergrowth.

On sandy areas -

I. citr occul H

S. marie one colony O Taber

Few grasses & weeds along
drain to beach

Q. concinna & few H

Q. minor 1 ♀ H up in weed

Q. agile occul H

C. fasc common

Sand area w scant
underg & occ l l pines

S. car 1 ♀ R

C. australis occul

Q. apterum "

C. antill " R

I. lat few

I. grave very few 1 H

M. fuscus gr davis nsp mod
 nos in dead leaves under
 water oaks in forest bordering
 strand, very active &
 difficult to see. 26♂ 4♀ 14
C. aquatilis 14 same place

$$\begin{array}{r}
 37 \\
 78 \\
 \hline
 115 \\
 7519 \\
 \hline
 7634
 \end{array}$$

Env 8 *Ilex glabra*
 " 9 *Corradina*
canescens (L. & B.)

37 Big Bayou near
Pensacola, Fla. VIII, 28, 1915

Sandy area w narrow fringe
of rushes on bayou - back
of this l l pine woods with
mud wire grass, saw
palmetto on higher ground
and in depressions "braids"
of thick magnolia green
etc w a narrow bordering
shrubbery flanked by
areas of ^{low or scanty} ~~typical~~ bushes (End. 8)

Sandy area ^{low or scanty} wooded, w
numerous low shrubs
of which (End 9) abundant
J. graminea under l l pine woods

C. glabra H orcsul "

C. minor 1 ♀ R "

Manometer 1 ♀ H "

C. concinna H orcsul in rushes
bordering bayou

Euph. alvacea common same

P. clavulig orcsul "

C. spartiaca 1 H very few
in brief areas of Distichlis
(same as before on trip) bordering
rushes

H. agit juv in shrubs
near Hammock

H. brevif same

S. fusc 1♂A "

S. cuneata ^{mod} common " all H

S. l. curvica v juv " "

Co pusillus loc mod nos
in rich veg bordering Hammock
in l l pine woods.

Co? n. sp. 1♂H in l l (Ew?)
bushes of l l pine woods
bordering Hammock.

Mel. symm ^{3♂ 7♀ 4 1♂ 1♀} n sp occasional
same & in adjoining rich
vegetation. The females
were easily captured being
found perched up in the
bushes, they made usually
no effort to escape. The
males, on the other hand
flew vigorously and
often hid so quickly
that they were hard
to locate, they however
seldom dove to the gr where
they would usually have

been impossible to follow.

M. strumosus 18 H in
wire grass of higher sandy
l l pine woods.

M. luridus j & few in
rich veg bordering Hammock
S. admir occult same.

C. pulid " "

S. pita open sandy areas
occasional colonies

M. puer gr Davis n sp, few
in ^{dry} shrubbery of open
sandy area near shore.

Hesp prat 1837 H 17 R same
partic in shrub (Ew 9).

C. eleg occult in clamber
spots of pine wds under
near Hammock.

N. cubens H mod common
in sphagnum under rich
veg bordering Hammock

T. citu H juv, open sandy area

S. abutac very few as Epiphyllum

Notellix 1 H same

Biloc juv "

P. alt juv "

C. apterium mod common
thru underg pine woods
in marshy rushes.

C. acid mod common underg
of pine woods

Stagnone car very few same

C. salicis 10 same; H same

Ambel florid 2 ♀ H 1 magnificent
color phase - rich vegetation
on edge of hammock

microros. bet same

C. fasc. v few same

35

52

45

19

26

177

Killed 1 copperhead

7634

7811

Same VIII. 29

Mel nigrum n.sp. H 2♂ 3♀

Mel strimous mod common

through heavy wire grass
ground oak etc of flat higher
long leaf pine woods

Bracon boreal 1♀ higher

grasses in flat & pine woods

Aspilota very rare as strimous

to? n.sp. 2♂ H gallberry tyty?

bushes in lower & pine woods

H. rugosus occurs as strimous

H. sp. prat? sandy scrub

near bayou in bushy low

placet (Em 9) 2♂ 1♀ H

Mel davis n.sp. mod numerous

thru scrub there, mostly juv.

Merm abacris occurs as strimous

very juv as strimous

C. antill 1♀ H as to? n.sp.

Neot 2R rare photo in pine woods

Manoneura 2♀ 1H 1R as strimous

Neoc cand? 1♀ H same

Se tex mod nos PM

PM Amblye larger whore 1♂ H

H. brevif 1♂ as strimous

P.M. VIII.29 high sandy
area. bank of *Pennisetum*
s.l. and small sand pine
underg scant grasses &
scant sand loving plants
very poor collecting.

H. prat 1♂1♀H, 2♀R

M. stamine occurr

A. apt mod common

S. d. calid ✓ R

26	4th week total	1672
54	aver "	2012
50	daily total	287
36		
76		
<hr/> 242		
7811		
<hr/> 8053		

Ent 10.

Hypericum
fasciculatum Sans.

De Funiata Sys VIII. 30

Very gently rolling
sandy country, sparse
long leaf pine woods,
undergr heavy wire grass
dotted w ground & scrub
oak and gullberry thickets
toward depressions also
many water loving plants
pitcher plants etc - along
streams heavy bushy
growths - frequent clumps
of weed like bush (Euc. 10).
Se striq occur in this bush
(Euc 10) all taken by beating
4♂ 1♀ R 2♂ 1♀ H long time.
coloration blends perfectly.
In gall berry bush areas
M. tubordi ♂ ads all H
in restricted area - all up
in bushes, are inactive
insect.

P. all common there
few also in damp spots
Apt sphaer is # same
very few both places

A. acid juv; there & in
wire grass of pine woods.

Sc. cuneata juv in gallberry
dumps. H

Sc. tessis 10' H in low
boggy wire grass & marsh
plants.

B. pusillus one large
colony there in restricted area

P. obesa juv there

J. lat " "

J. proserpens " partic
on borders of bushy stream
courses.

hoc caud 17' H in higher
grasses & plants in boggy
spot

B. davis 1j & 2j ♂ H same
M. trane 10' H in wire grass
near oak shoots in dry sandy
l. l. pine woods.

E. pus occul everywh
in wire grass

C. elegans same but
partic in damp spots

J. gramine 1 H gallberry spot.

117 25 25 50 51 56 24 39 61 448 36 41 18 28 37 608

Stagnum car. wire grass

unob. cub H. f. in

aphagnum in wire grass
bordering stream thicket

J. drop 1/2 H. same

Anax julii very f. in
wire grass & moisture loving
plants in damp spots.

Syrph. adu. rec. in veg.

Chort. austr. same in
dry situations

Lyphid. same

P. f. west loc. & common
in sandy spots

J. citr. mod. nos. in
sandy spots

S. m. pila occas. same

H. agit 1 H. beaten (Eub. 10)

high bush in streambed

Aison hupr 1 ♂ 1 ♀ H. same

manomura 1 ♀ H. in wire grass

C. brevif. occ. in veg.

along stream

Neoc. ret. j. along edge
of stream in grasses

Neotett sandy dry river

in l l pine woods & ^{living}
near border of lake
short wing.

Homotell 2 ♀ R, H. Sandy
soil covered w wire grass
bordering damp spot.

C. p. pilid comm in wire grass
Ch. milit occul in
same in wet spots

C. glab common esp
in gallberry thickets

Adout apt occul same

unnot ambit very few
in wire grass of pine woods

Sec 1 R beaten in damp spot

Parot purid H few in heavy
veg of stream course

P. M.

Border of extensive sink
Lake

. Long leaf
pine woods, very sandy
w underg of wire grass
and much oak stools
and dwarf oaks.

M. davis n sp mod
common partic in very

sandy areas.

● Lo? n sp common in
oak stools. A truly ^{R 11 ♀}
thamnophilous species
not rapid in movements
but jumping powerfully -
clings tenaciously to the
oak leaves often hiding
on their underside when
approached. 2 color phases
in the immature condition

M. strumousus occasional
partic in very sandy areas

Meiroc 1 ♂ 2 ♀ H 1 ♀ R oak stools

N. r. crepit 1 ♂ H " "

Heep brevif 1 ♀ H " "

Hapit brevif occasl " "

Adont apterum " " "

Sch alutacea ✓ " "

Arphia few in underg

Symb adae common "

In fringe of thick bushes
& trees along water

● S. vitreif occasl

In grasses growing out
of water -

Merula alba ~~not~~ common
in wire grass

To pusillus same

Beloe juno mod common in
oak shoots.

I. marginic common in
grasses growing out of
water in lake - all H

A. latic mod nos same ^{all H}

A. bradleyi all 2♂ 2♀ H same

but one large colony -
majority in water too
deep to wade. Song
a rising and falling
whirring without the
harsh note of the song
of the species such as
latic nigrip vulg etc nor
the clicking sounds.

8053	
608	largest
<hr/> 8661	<hr/> day
	<hr/>

18
25
41
92
16
37
27
256

39 River junction Fla.

viii. 31. River forest heavy
buck, victory, oak, magnolia
etc, bare underneath with
scant plants - hills limestone
covered w clay & sand, sh-l
pines on lower slopes, ll
on higher, scant grasses
& plants everywhere.

C. diaphana large colony
under one sign on oak.

H. brevif & feed in under
lower slopes of mixed forest

N. credit everywhere
common in leaves & on
ground

N. fasc woodl type mud nos
in dead leaves on almost
bare ground under heavy
decid forest in stream
bottoms

M. guerneus? occul

same. all but 2 ♀ H

● All americ one colony
& 1 spec same particularly
about tree shoots in damp
all H 1/10/10

Uttigidea occurs in
bare places w dead
leaves near stream.

D. viridis short grasses in
same general environment
M. scudderii in low plants

& grasses on edge of pine
clad slopes, very common
locally, generally occurs

Arphia occurs in pine woods

Mercuria feed in l & l pine ^w to

Amblypt uhleri 1 same

others in stream bottom

A. florid in veg of stream
bottom

Spk. bolli feed in leaves
under oaks

Spk. c. w. jones all H feed in
sandy l & l pine hilltop

P. forest occurs sandy places

Sirtet very few same

Short antr common

in waste fields

Sch dave calid TR on

lower slopes in sh. l pine
forest undergrowth

- M. leucid occurs in pine wds about oaks
- M. fr. prop occ waste fields
- M. procerus 1R, 2H in damp sandy area of decid prairie forest among scant plants
- Neotett fumorata w fees in pine woods underg 1 large ♀ waste field on hilltop
- Lot pusill scarce but in underg of decid prairie forest & same of both sh l & l l pine forest.
- R. brevif ; common in underg of pine forest
- P. all lush veg in str bottom
- I. graminea 1j R same
- M. reticulate 1♀ H ^{scant veget in}
- P. mucronata 1j♀ H ^{lush veg in}
- A. spheerata mod nos same
- Isle 1j H under bark pine log
- Orph ubiquitous mod nos
- A. occid underg pine forest
- Sc texensis 1♂ H underg of open pine woods
- Neoc troops H ^{lush vegetat} in stream ^{bottom}

Biloe 1jH lush veg in
high open l l pine woods
N. reticulatus as troops
A. apterum common in underg
of all woods;
N. carol 2H as wood fasciation
J. citr sandy road. H.

$$\begin{array}{r} 8661 \\ 256 \\ \hline 8917 \end{array}$$

Env 10 Hypericum
fasciculatum Saus.

40 Grand Ridge, Fla. IX.1

Muddy rolling country
of l. l. pine woods, underg
wire grass & occul oak sprouts.

Depressions small with
holes & scant streams
without trees or with

cypress clumps, clumps of
bush (no 10) surrounding
mounds and bordering str.

Sc. strig (8♂ 14♀ H) in bush
no 10 perched usually in
tops of same - often many
bushes examined w no results
Manonera (1♂ 2♀ H) all beaten
from same bush -

Staque carol 2♀ H same

C. brevis 1♀ R in grasses in
low spot.

Q. militare occul same

Sc. leucis juv

Sch. alut Hunderg l. l. pine woods

Mel. lurid H same

Arphia R near low ground

Pavilla low marsh (much
grasses)

& plants edge of sink hole

I. armata all H bare gr
in thick cypress swamp
depression.

Notett few in grasses in
low spots (greenish suff) &
in underg of pine wds (pale or
mottled)

Eo pusillus grasses edge
of sink

R. glaberr 1 H same

R. brevif 1 H underg of pine wds

C. gullcher occ as Eo

nomot H bare ground under
few cypresses in depression

N. fasc 10³ H marsh grasses
in & about sink hole

16

24

22

35

56

12

165

8917

9082

41 Chattahoochee Fla 1x.1
Heavy cypress swamps
on shore of Appalachian
River - sandy soil with
drifts of rotten leaves
N. fasc woodl occul
N. car juv
J. lat 1 juv
C. trigonip 1 ♀
on bare sandy edge
of river in open
Parattix 1 only seen
all H

9082
14
9096

Write labels

23

42 Woodville Fla IX-1
Flatwoods long leaf
pine w mod scant
wire grasses, bare
sandy soil, frequent
clumps of both dwarf
and sprouts of other oaks
Sink holes bordered
by some marsh boggy
plants but not heavily
so.

Eotett like M. audd (H22♂22♀)

common in oak sprouts
Thesp florid (7♂7♀H) few
in both oak sprouts and
scant grasses

Uel impudic (2♀H) very
scarce in same loc

Apt aptera (1♂1♀2jH) scarce
in oak shoots

Apt. spum a few in underg
of pine woods, common
in richer veg about sink

R. micr few, underg l & pine f

H. rugosus a few same

Sc near pic few same sandy
spots

(H13♂ 12♀)

● Med stegoc in ~~very~~ sandy
l l pine forest partic
near charred timber, in
grasses & near oak sprouts
Med rotundip? few there
in very sandy spots & in
sandy areas of lower
l l pine forest near sink
(H4♂ 6♀)

S. alutac & few in oak
shoots.

Syrb alut few, under l l pines
Chort anstr same

O. pulid common same

S. d. calid 1 same

Monot all the sandy soil about
sink mod common

D. pusillus all the same in
slender grasses.

Ellips great nos as Monot.

Motett dry ground about
sink, common.

● Thush # 1R under p. wds
Maider³⁵ few in same

H. brevif very few in oak shoots
Symu mod 1R 1H same

C. trigonif 1 ♂ R oak shoots
R. brevif occ l l pine wood
undergr. js.

Lo pusillus in slender
wire grasses of sandy
l l pine woods, mod
numbers

Arch minor 1 ♀ R under l l pine
wds. ♂ heard in l l pines, taken

Beloe occ j l l pine wds

Arch milit 1 ♂ H plants on
margin of sink hole

A large uhleri juv in l l pine wds

Meris alacra mod nos, same

A. apterum common same partic^{under}

Conoc salt & rare same l l H

11	322
35	28
42	20
48	
51	370
77	9096

9466 550 for
day -

~~36~~
322

Pirip brucea Tallahassee

Fla IX.1 in hotel 1H

Jallaharree Fla 1x.2

Pond bordered by arrow weed & lotos then marsh grasses & waste field. At one end swampy deciduous woods is very heavy area of grasses & bushes.

S. vitreip mod, mos in arrow weed, all H & R

Q. bradleyi ; common ads few in arrow weed & lotos growing in 3 ft or more of water all H

Sch. obscura waste field weeds occul

Sch. americana abdt ~~occ~~ O Takun

D. viridis mod common same

M. l. propinquus very " "

C. australis few "

Conoc. fasc. occul, marsh grasses

Buloc. subsp. few in

heavy swampy grasses & bushes

Meoc. retusus same

Conoc. brevif. commoner same

Neoc. triops 1 j it same

Atl. Parox all 1 R "

Parox florid. 1 R "

Hill crest covered with
heavy forest chiefly
great water oaks under
which scant plants &
dead leaves, few pines
(End II), coarse grasses
& bushes, sumac etc

Atl. gibbosus 10^R ~~other~~ it
on dead leaves partic
near small bushes etc
under water oaks.

Arch. minor 10^R it under
pine sh 2 (End II, cone)

Ne. herid common under
there

Asplia same partic in open
Sph. crest mod mos in open
spots there in coarse grass
H. brevif. few in under

C. d. calid. a few same
and same in waste field

Spt. spleen. few there &
mod mos in det weeds

in field & wood near
pond.

Neottia H margin of pond

Scilla jurc hilltop woods

Scilla cuneata B swampy "

Anemone H hilltop woods

Sp. bolli few under some

Littigidea H swampy wood

P. pulchellus common in shrubbery
of swampy lowland forest.

C. squame few under of upland
water oak forest. H

A. saltat 1; H same

16

29

49

17

26

43

60

240

9466

9706

44 Carrabelle Fla. IX. 2

Sand dunes heavily covered
with areecolous shrubs
and bushes, some scrubby
pine (Euc ^{8a}) (H Barrancas)
& various scrubby oaks.

Spl. crepit 2♂ 1♀ H under
scrubby oaks, all in one place

Hesp. prat? Three very low
scrub plant no 9 and in
one place. 5 taken from one
bunch of oak shoots not 1
ft high. R 1♂ 1♀, others H

Q. latic beaten from large
area of bushes (no 10) H

Scl. alut brown over three
scrub, striped in dorsal
spots of same.

S. citr common sandy
areas of scant grasses
Hel. Davis n. sp? mod. nos
in low sandy scrub. H

Co? 1♂ H same in oak
shoots.

Cryptop beaten same scrub

H. aurib three this area ^{common}

H. brevif. H very few three
low bushes of scrub.

H. agit R bushes 5 ft high

R. brevif. j H mod mos in
grasses under pines.

Synceus mod 1 1/2 ft beaten
from Myrica cerifera in scrub.

Ambyl. occid. j H as Radiat.

Cyclopt. squame sandy scrub
on ground.

Leptogmus 1 1/2 ft in grasses of
marshy spot in dunes.

S. lateralis off sandy spot
in scrub.

C. lutea
Neorattella sp? 1 1/2 ft

Beaten from heavy scrub
in bottom spot.

Arct. saltat 1 1/2 ft sandy scrub

Novot H 1 ad 1/2 name

37
53
90
9706
9796

Cliftonia monophylla
(Lam.)

Same IX. 3 AM. sandy
flats much as dunes of
previous day, but long
leaf pieces - Areas of high
bush (Ew 13) growing
swampy areas - sometimes
of grasses + lilies or with
occasional cypress, other
bush (Ew 12) on outer
edges of such areas with
full short marsh grasses
A sparse marsh plants
between. *Ilex glabra* +
myrsine in marsh. *Encida*
occasional area, usually
in bushes 2 or 3 ft high (Ew
12 and sometimes Ew
13) ^{on outer margin of dunes} one scattered colony
only, encountered.

Hap. brevif occurs same
in sandy low places
of sandy flat land.

Sph. crepit as yesterday
but on flat land.

Hesp. fridericus in low
oak shoots same. H.

C. lutea 1 R ~~later~~ from back of
~~C. lutea~~ trigona ~~later~~ from
bushes above swampy area.

Arde milit in marshy
grasses & plants on edge
of swampy areas. R 17 1/2

S. pusillus mod common
same.

2. myrtifolia
Littig prorsa R 1 small
colony same

Parot atl occurs same.

Leptogaea ^{H on outer} border of same

At. gibbosus ^H in bushes same

Conoc. brevif. 1 R in same

C. lutea ~~bush~~ bush (Euc 13)

A. apicivittatus ~~as~~ as militare

A. aptera mod. com everywhere
in marsh & swampy flat.

R. brevif. occurs as militare

M. a. acris ~~very~~ in same

E. ? ~~mel. line~~ bandieri H very
few in same loc (Euc 14).

Stagmone 17 1/2 as militare

Beloc. xiphi 18 R same

Manomera few in same
grasses between marshes
& swampy flats.

Libby hopid occ as militare

Same 18.5. P.M. Tidal salt
marsh of Juncus (no 15)
mod fine under foot, growth
dense.

Conoc nigropluvroides ^{all H.} quite
common, large, ♀ ovipositor
weakly upcurved toward apex

Conoc spartinea mod nos H

Orph olivacea few H

Tidal salt marsh outer
border Spartina 1 foot high
very boggy, growth mod
dense.

Conoc nigropluvroides ^{44a} mod
nos, smaller, ♀ ovipositor
weakly bisigmoid, subrect.

Conoc spartinea mod nos
more freq macropterous.

Orch fidicina quite common

Tracts of Juncus (no 15)

about bushes beyond
limits of all but except
tides.

Conoc nigra scarce

Sen obscura mod
nos there

~~Crypt antill R in bushes~~
~~there~~

Dec 4 punct R same

Arch concinna occ as sigialis
C. elegans same just emerged have
no face markings

44a is the series of C.
nigrophuroides taken in
spartina. 5♂, 10♀.

44a 15 ✓

44 28

42 ✓

30

20

135

9933

10068

after hurricane
1 S. d. calid ♀
1 Stagcar ♀
2 specimens

10070

Color notes sigialis much
clearer lighter green than others
fidicinium very pale green A
a soiled sea green - not
brilliant -

C. spartinae pale straw
colored individuals not
unfrequent

Sopchoppy, Fla. IX.4 -

wire grass & gallberry
bushes of l.l. pine woods

1 Aspilota granulata few

1 Apt. aphidivora

1 C. elegans

10073

Wire
Gallberry

45 Bainbridge Ga IX. 5

J.l. pine woods, gently rolling, sandy soil, scant grasses & plants.

Areas of oak - chiefly white oak, some red, water & blackjack oak.

"Braids" of heavy dead trees ground almost bare black mud, little moss.

Mel quereux occurs in tree shoots bordering braid same in shoots in dead lay covered areas under water oaks near lake, local scattered colonies.

Mel fr propinqu common in waste fields.

Mel luxid mod common throughout ll pine also oak for

Mel carneg? (Tallahassee Co?)

Common in oak shoots

in oak forest occurs in higher areas of ll pine woods

Mel strim rare, underg of ll pine woods, low areas only

Mel scap mod nos in ^{sandy}
oak shoots in oak forest
local, very local same in
sandy l l pine woods, low
& high.

Apt aftera ~~occur~~ in oak
shoots of oak forest.

Apt sphaer ~~few~~ in underg
of l l pine woods near branch.

To pusillus loc mod nos
in grasses among oak
shoots in oak woods, few
underg l l pine woods.

Arphia common oak & pine

Rom micr 10th R underg l l
pine woods

Sph bolli loc mod common
dead leaves under water oak

Hipp rug 3 R underg oak wds.

Sph crist all H sandy
waste field areas & sandy
l l pine woods occur.

Prind fere very
common sandy waste
field & sandy Lakeshore.

Surt m. picta occur in

50 28 15 30 42 22 32 33 36 30 49 20 36 21 | 692

sandy pine wds & waste field.

Meru alax occurs under pine & oak woods partic grassier areas.

Thesp florid 1♂H, 1♂2♀R oak shoots in oak forest.

Hap. brevif mod common same - ads & juv = nos.

Symu modesta 1♂1♀R same

Aueby uhleri same

Aueby uhleri gr pale ctil same

Syrb aduier occurs, oak wds under

R. brevif juv occurs oak & pine

Dich viridis mod nos coarse grass bordering branches.

Sch alutacea common in

oak shoots of oak forest, mod nos under l l pine wds

Sch. laur calid mod nos oak shoots in oak forest.

Acex vitt 1♀H under l l pine wds

Adout apt common same oak

Pelot juv border of branches & in oak shoots of forest - few

Ac delicate 2yH oak shoots forest

Aec latif 1R scant oak
shoots in l l pine wds bordering branch
Scudd c latif few in oak
shoots of oak forest.

Sc cuneata 1; H edge of branch

Sc furcata 1; H same

Paxilla obesa all H colony
in coarse grass on ^{sandy} dry
sandy ground bordering branch!

Crypt trigonif few, oak shoots
in oak woods.

Cydox squam few on ground in
l l pine forest undergr.

T. later 1 H coarse short grass
bordering lake

T. chubby small bare ground,
in dense branch forest all H

T. armata 1? all H same

H. crist short coarse grass bordering
branch H.

Motell very few under l l pine wds

Apydium as T. arifata

Short ant. common as T. lat

A. pulidua ubiquitous

A. occidentalis 1 ad, 1 oocyst

oak shoots in oak woods
few under l l pine wds

Crat ~~diaph~~ under sign
on water oak.

C. saltans 1 j H underg in oak woods
musot ambit common three
underg of pine & oak woods
mus cubus H bare much in branches

10073	
622	
<hr/>	
10695	largest day

5th week total	2642	largest week
aver " "	2139	
daily average	305	

45a same ix. 6 Flint river
bottoms - Soft oak forests
scarcely any undergrowth
Tittig smaller lat few
Aerydium scarce.

Long leaf pine forest with
scant plants, grasses & vines
Diaphor 3♂ H

Stagm 1♂ R

Hap agit & shrubbery there

Rec latip R undergr " "

Heavy weeds etc in open.

Arch agile common

Arch latip 2♂ H

Sch obscura 1♂ H

Neoc retusus juv H

Saud cuneata H

51
35
<hr/>
86
10695
<hr/>
10781

Dothan Ala 1X.6.

Long leaf pine woods, low area, rich soil covered with thick lush grasses, many groups of gallberry bushes, brambles etc.

Aligonyx 2 j H this underg.

F. hebaridi 1 ♀ H same

A. neivus few same

A. pulic 1 ♂ 2 ♀ H same 1 loc

M. ambit 1 j H same

C. saltans ad few j common ^{place}

Arphia 3 ♀ H same

Phyllosc very few same ^{1 ♀ H}

Hap. agit vines along branch ^{1 ♀ H} ^{There}

Hap. brevif few in underg pine wds ^{2 ♂ 1 ♀ H}

Rad. brevif j occ. in underg of tree pine

Climo. elg common in damp spots in lush underg of l & c pine wds.

Pax obesa all H v. scarce same

J. prossa " " few " "

J. lat few in underg l & c pine wds

B. subapt all new taken, in lush underg of l & c pine wds partly in gall berry bushes

S. danna called ocaul as Aligonyx

Amblytr j few as Oligoryx
Ac 4 punct weeds in l l pine wds
Parot att mod common in
 bush underg of l l pine wds.
M. luridus v scarce same
Synb aduier occul "
Crypta pelid ubiquitous
Chort 1 j H underg of dry pine wds
Synum mod 1 j H gallberry bushes same
Scl americana on l l pine wds
Mancosera 1 j H as Oligoryx
To pusillus mod common same
Apt ~~same~~ wds rare j occul same
Mel att very common in cultivated
 fields.

I. citr sandy road.

Mor nitens occul as Oligoryx

Amblycorypha v few same

Adonto apt occul "

Sc c latii 1 j H "

Sc purc few "

Sc cuneata v few "

Conor brevif few in rich veg near branch

49
 39
 46
 65
 41

 240
 10781

11021

Same 18.7 hills covered w.
l. l. pine, oaks (chiefly red oak)
hickory etc. Soil loamy

Thysprotia 2 R

Mel sturnosus widely scattered
colony in dead leaves oak
shoots & low plants.

Mel impudicus 1 ♀ H

Sirt 1 R open woods, sandy.

Sphe. bolli juv in dead leaves in woods

Eph. woyne small colony in
sandy opening in woods & sanding

Tri citr common in sandy field

D car " "

Bch. obsc 1 ♀ same Not taken

Crat diaph under sign on rd oak

Isot j mod ~~was under~~ ^{stumps} l. l. pine bark

Ambl abd 1 ♀ see next

Sc pure juv ads three sand

30
45
9
<hr/>
84
11021
<hr/>
11105

47 Montgomery Ala. IX-8

*River bottom land -
marshy weedy flat fields
very lush -

P. florid great nos
M. scudd mod nos,
common in wood borders,
occurs under high & low water
Trep. brevis common
in wettest spots.

Arch agile scarce

Arch glab common here
also & common in
raspberry tangles on higher
ground.

H. brevis occurs in grass
partic abt pine woods

*Heavy. grass, magnolia
& bay swamp.

J. armata very few in
dead leaves

N. cor mod common same

N. wood fasc occurs,
1 large colony, same

H. agit occurs "

A. exigua local "

~~7/24~~
5/5

● Lich j ~~mod~~ nos under
bark of sh & pine
A. occid juv j as R. brevif
Arch. vulg 1 ♂ lush grass
on edge of swamp
Arch latic occul in
vines & lush midng of swamp
all H

* P.M. park like forest of
sh & pine & small cone
pine (cone kept), summit
of ridge, coarse short
grasses, areas of weeds
(Ew 16) and of shrubs
& rampant vines.

Arphia (1 ♀ H) there in coarse ^{grassy} woods
Diaph (5 ad ♂ H) all in ramp
& shrubby tangles there
Crypt trigonif H same (1 am
in swamp vines & shrubbery

Decid tex in lush grass of
low field & underg of high ^{pine} trees
● Sc. purc same
Sc cuneata j former loc.
conoc. brevif former loc.

Amblyc 1H heavy ^{high} ~~and~~ forest
C. salt juv in coarse grass pine park
Leptysaena 1H as C. agile
Pyrgocorys juv juv in underg
of pine park.

Adout apt juv ad same
Campylo juv in low field
in weeds in A.M. mod
noo (all seen taken) in area
of weed 2ft high (Ev 16) in
pine wds park in P.M.
Thick oak chestnut in
decid woods, thicket
undergr.

Oec latip # beaten there &
in underg of pine park

S. bolli 1H

I. citi common in open
fields.

Mel. leucideris occ pine park
Mel. fr propine great noo
ceat fields

Scl. obs 1 underg park pine
1 seen bush low acid weeds

34
52
43
27
30
41

Ambrosia
artemisiifolia

11332

227
11105

48 Selma Ala. IX. 9. 1915

#1, heavy deciduous (sweet gum, hickory, oak, beech) forest in bottom - leaves dead hardly any undergr - weedy areas adjacent.

#2 Short leaf pine upland forest few gums & oaks, undergr sumach, gum & oak shoots low bushy plants & coarse grasses -

S. alutacea 1/2 H forest condition #2

S. aeneic common weedy open

S. obs. v few (all H) same.

S. d. calid 10' H low pine, undergr

I. citr few, sandy road. H.

Asplenium occult forest condit #2

M. lucid same

M. f. propinqu v common weedy open

Campylo mod no same ^{weedy} #2

M. succd common weedy open

& undergr lowland & old wds.

Diaple funcoz (1/2 H) occult cond ^{weedy} #2

Symb admir few undergr wood.

D. viridis few, scant undergr ^{weedy} cond #2

R. brevif few grassy edge of lowland ^{weedy}

A. pilid few woodl underg
H. brevif few woodl #1 underg
 common woodl #2 "
Quax exig few woodl #1 underg
P. pulchellus few " #1 "
muu woodl fasc abundant loc.
 in colonies in dead leaves woodl #1
muu fasc 1j H mod nos alt grass ^{muu}
Bac. latifolia shoots woodl #2
Microc 1 ♂ R underg " "
Quzouyx 1 ♀ R " " "
Qu florid car 1 ♂ 1 ♀ H same
Conoc brevif few same, common
 grassy borders woodl #1.
Arch glab common grass ^{& bushes border} woodl #1
Arch agile or few same
Arch vulg occul same
Arch latic few bushes ^{woodl} #1
Conoc strictus mod common grass
 border woodl #1
Conoc salt or few; same &
 coarse grasses woodl #2
J. lat 1 beside stream in
 open on almost bare gr.
Paratell same mod.
 common all H

● nestell 1 H underg woodl #2
S. like lat very few in
bare ground woodl #1

Aerydium occul same.

Dec. no? 1 H underg woodl #2

Nine audit of few same

C. trigonif. occul sweet gum
shoots & vines woodl #2,

lowest gum shoots' woodl #1.

Sc. furc. occul woodl underg
& high grass & sumach in
open lowland.

Sc. melata same, loc partic
abundant in latter site.

E. minuta few as I. lat.

S.c. Weissii few as Sc furc.

Audit whl 10 H underg sh & pines
lowland, 1 H same site #2

Stag car underg woodl 2 ^{#1 high woods} lowland

Dec 4 present low open woods

C. squame few among needles on
ground sh & pine woods

● Disos car common dusty places

11 29 28 42 33 26 44 68
281
11332

11613

~~7/7/7~~

49 miridiam Miss 1X-10

Short grass on bare hills

M. fusc-a common

M. attenuis "

H. rugosus "

Chort. vir. mod common.

Pyrroc one 1 ♂ weeds there

C. fasc mod common same

marshy areas in bottom

Inyx breo loc common

A. glab in all high ^{woods &} bushes

A. agile 1 ♂ H same

Acc 4 punct as C. fasc

wooded hills of oak, sweet

gum, tulip tree & oaks sh

L. pines -

In rather open areas, ground

scantily clothed w partridge

berry, small plants & vines

M. tipidus 1 ♂ H

M. quern gr 1 ♂ 1 ♀ H 1 ♀ R

Alig 1 ♂ 1 ♀ H 1 ♀ R

alt 1 ♂ 2 ♀ H

In non-succulent tangles

in wood stream bed

C. brevif common.

R brevis as tipicus but partic^{coarse}

~~H~~ about the areas of grasses

A. occid j comm 10 as tipicus

Arphia 1 ♀ H same

Num woodl fasc comm in leaves there

Hap occid same

Diaph occid underg of these wds

Po fusc sandy area on bare

hilltop H.

Minog a few as tipicus

Cycl squam mod nos in pine
needles & oak leaves of these
woods.

Anax occid in lush plants
in stream bottom. all H

N. nit 1 ♀ same R

Ambl 1 ♀ R same

27
47
22
39
<hr/>
135
11613
<hr/>
11748

50 Hattiesburg Miss IX-11
 Sl rolling rather open
 ll pine forest, underg
 much slender grasses, some
 oak aprouts & Myrica.
S. alut loc comm in oak aprouts
Sy aduir occ underg these wds
Arphia occasional same
R. brevif mod nos j "
Thes graue 2 j H "
Pseudoserice 30 R "
Haf agit 1 ♀ H "
Thel lurid occas "
N. aurit 2 j only "
C. salt j mod nos, juvads "
Chel eleg higher grasses in
 damp depressions, open
Schiller occas same
Arde nict 10 j few j "
Conoc strict occas "
Arde glab mod comm in higher
 wds, same
Felt Cat H few same
Neotitb 10 j few more open spots
 in these woods
Parox alt occas as Chimney
Neoc triops few j. same.
Stagmone few underg pine wds

L. citreus dusty road H
C. virid colony short grass in
 open, 1; underg pine wds. all H
Mel. guex gr. 88 77 H, 28 49 R in
 high heavy decid forest red
 oaks, tulip trees, no gums, few
 sh. l. pines - flooding river
 area - ground dead leaves
 is very little partridge berry
 some grape & raspberry vines
 deep shade. 195 ¹⁹⁹³ ^{garden bonus line 2 in l.} " " " 3. J
Mel. tepidus 19 H same.
M. aced very few same
 and occul in nearby sh. l.
 pine underg.

D. viridis very few as tepidus
Couac brevif. same.

Tett like lat H very scarce
 in dead leaves, these woods.

Mum wood fasc. loc common same
Microc H 1; underg scant, there

Axyclium R 1 as tett like lat

C. diaph 2 H under sign sweet gum

Isle J H " " sh. l. pines,

Arce. salt H 18 grape vine 19 leaves on ground

28
 54
 40
 40
 30
 192
 1748
 11940
 11940

51 Jackson Mills IX. 12

A.M. R.H. #1 Pasture lowlands
of short coarse grass, groves
of oak little undergr.

#2 Hills with sh l pine and
few oaks, rather dense
underbrush, blackjack & red
oak w areas of thick grasses

Arch. glab very few undergr #2.

A. vulg common clumps #1

C. nigrip. few in flags along stream

Conoc. strict common low pasture

C. fasc occasional same

C. brevif. same as p in lush clumps

C. saltans few in grassy pine woods

Neoc. many juv few ad as C. brevif.

Diaph. oak shoots & undergr #2

Pseudos. 10H grasses in pine woods

M. saedl. few in scrub undergr

of oak groves #1, occasional, oak shoots
in sh l pine woods #2.

M. luridus very few both same

M. fr. prop. common meadow

M. alb. mod nos same

M. differential 10H weeds same

A. pilulula few undergr #2

C. pulchra western & common -
 short grass meadowland
C. viridif colonies same
H. rugosus common "
S. adnigr mod " "
Asplia mod common, oak scrub #2
A. crydium very fine, bare ground
 in oak groves near stream.
Neotell H & scarce, sh grass meadow
I. lat mod nos same
C. pulch 1 R vines near stream
H. ajit vernal same & dead leaves ^{There}
R. brevif j mod nos, grasses cond #2
E. minuta mod " sandy str bed.
Aeox exig H plants " " "
Pyrroc rare, plants in thicket near
 stream & in underg sh l pine wds
H. fasc meadowland grasses

81
25
57
84
<hr/>
247
11940
<hr/>
12187

very spelling

IX-12-1915 H.

5 1/2 across River from Jackson
Strickton, Rankin Co. Miss.

#1

IX.12. Dense river swamp forest
decid, ground bare w few
weeds and areas of coarse
swamp grass (Ew. 17) #2 slightly
higher ground sh leaf pine oak
etc heavy underg ferns, grape
& other vines, cane etc.

Arydium mod nos bare gr #1

Littigium mod comm same
partic in areas grass (Ew 17)

Litt lat grasses edge swamp

Litt like lat underg #2 few

Mel. guer gr mod nos both

#1 and partic #2 gr distributed

Mel saed underg #2 mod comm

Ureut wood/fac comm same

Crypt trig rare same

Cycl squar common same

Sp bolli 17 oak leaves There

Anax exigua mod nos in ^{weeds} _{site #1}

Croch v few same

Pyrge jousub same

Ure palustris in grass

(Ew. 17) site #1 few

H. agit mod nos underg^{#1} & ^{#2}.

Mucob car n juv site^{#1}

Dick verid occul site^{#1} & ^{#2}.

Amblyc obl 17 weeds, edge of swamp.

Arch nigrif common same, juv in grasses (End 17) in dry swamp.

Arch vulg in weeds edge of swamp.

Muc triopt 10th site^{#1}

Muc retusus 10th same.

Conoc brevis mod nos^{#1} and ^{#2}

Slag car dark & site^{#1} others^{#2}

M. differential 1 weeds edge of swamp.

Sandd cuneata common, underg^{#2}

Hipp mg very common in dry short grasses in open.

C. viridif common same.

6th walk total 1678

aver - " 2062

daily aver 294

30

101

20

23

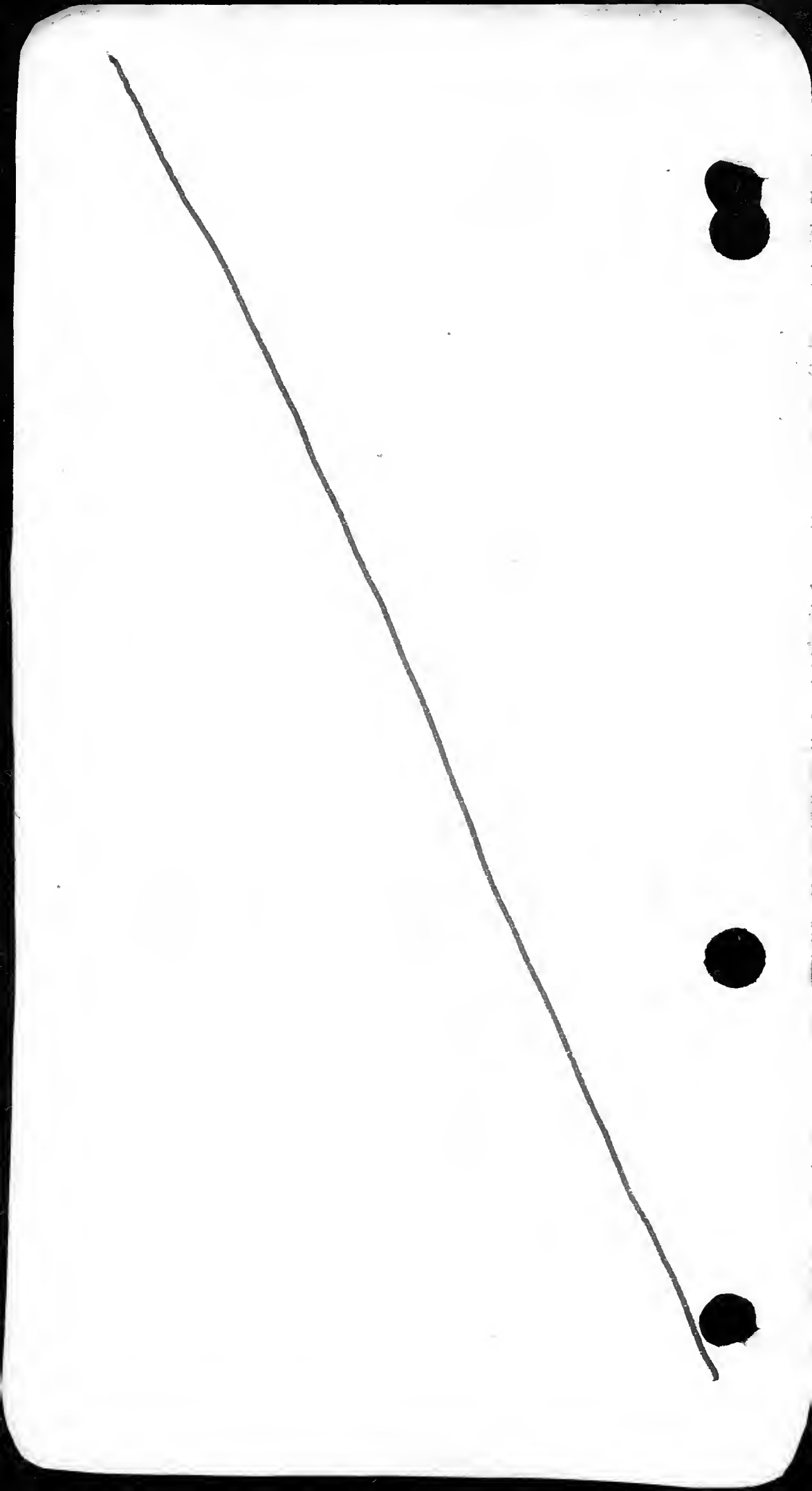
12

186

12187

12373

Homalocenchrus
lenticularis



52 Natchez, Miss. Sept 13, 1915

(R.) In flood-plain of Mississippi River, elevated about ten feet above present stage of water, banks breaking off sheer to water. Old fields with tangles of berry vines and wild grape vines, much fern-like weed, in spots closely grazed, no marsh land at all. All species seen taken. Paratittix scarce along steep river banks.

Uphulilla pl. & other sp. in pasture land.

Dichrom. 1♀ in same.

Syrhula Scarce in thickets & weeds.

Chutop. virid. Scarce in pasture - adults & nymphs.

Trimmatop. citrina

Abundant in sandy road.

Mel. diff. Common.

" afl. Several.

" fenestr. rubrum, Abund.

Scutellaria curv. One
taken in tall weeds.

Uchul. vulgare. Numerous
in weed tangles. No
♀ seen. Note paired long
ventr. abd. liggs of purplest.
U. nigres. less numer.
than vulgare in similar
situations.

Acrom. retusus. One
♀ beaten from low tangle.

Croc. fasc. Everywhere
in weed & tangles.

Nemob. fasc. under heavy
tangles.

N. other sp. On weeds.

Anaxipha pul. Beaten
from heavy tangles.

Hapithus. Several beaten
from tangles.

Oecanthus sp. Abundant
everywhere.

44
26
17
87

52 (continued) P.M.

In mixed low oak
& pine ^{swampy} woods on hills
east of city. Small
glades of tall grass &
low tangles interspersed
through the woods. Highest
point near Natchez.
All species seen taken.

Small roach (*Ceratinoptera*?)
beaten from low oak
leaves. 1 ♀ beaten from
leaves. a *Pseudoserphus*
beaten from oak or pine.

Uttigidea Lat. swept from
ground.

Syrphula adm. in grasses &
tangles.

Alph. pelid. In all situations.
Alph.

Amblyt. occid. In grass &
tangles. Nymphs abundant -
but one adult seen - taken.

Alphia sp. Numerous in
open areas.

Chippiscus ryosus Sw.

in open areas.
Mel. Scudder. *Mim.* in woods
Scudderia tex. Sw. in ^{along edge}
scrub & grasses. (Flavus)

Scudderia fusc. More in scrub - particularly note one in brown phase.

Amblycor. uhleri. 1 ♀ beaten from grass - small type.

Atlant. amer. 1 ♂ - hopping on dead oak leaves in dense low woods - diligent search failed to reveal others.

Archel. glab. Common in tall grasses & woods in openings.

Cnrc. strictus, Whitto.

" brevip. A number in similar situation

Cn. saltans In openings - adults few

Oecanthus lat. Both sexes beaten from oak & 1 taken from grasses.

Cec. quadric. Beaten from grasses.

Cryptopt. Beaten from oak.

Phylliscript. pulch. Beaten from oak in sweet fern.

38
27
9
41
115

52 (continued) Sept. 14, 1915.

In heavy forest of oak
(several species), hickory
and bay, with some
cedar. Tall trees on
slopes of ravine in bluff
formation. At bottom
tangles, with stagnant
water course.

Neotettix & Tettigidea
in bottom of ravine -
former on bare ground,
latter in vines.

Dichromorpha. Only
species on slopes, in
dead leaves, etc.

Mel. quercinus type. In
fair numbers in tangles
of berry bushes and
ground vines at base
of slopes.

Pseudoceria cuneata in
bushes on slopes & at base
of same.

Amblyc. uhleri in bushes
at foot of slope.

Neocn. triops 1 juv. ♀
in bushes at bottom of slope.

Conoc. brevipes

Everywhere - common

Conoc. strictus in

tall grass in opening
in woods.

Ellipes swept from
bare ground (damp)
in bottom of ravine.

Hapithus Everywhere.

38
13
—
51

53. Brookhaven, Miss.
Sept. 15, 1915. (R.) $\frac{9}{4}$ In
second growth oak & short-
leaf pine woods, with
occasional old long-leaf
pine towering over it.
Little scrub, much grass,
little ^{or no} wire grass, few absolutely
bare spots. No wet spots at
all.

Pseudoceryle 1 ♂ beaten
from tall grass.

Actotettix scarce in grass &
on bare spots.

Nomotettix juv. numerous, adults
scarce, everywhere.

Paxilla & swept from grasses. One
other seen & coped.

Tettigidea Scarce swept

^{Radnotia juv. common}
Syrphula Scarce in brush & tall
grasses.

Orphulella prat. As usual,
everywhere.

Amblytropidia juv. abdt. adult
scarce, everywhere.

Arphia. Common.

Hipp. rufosus Numerous.

Mel. scudderi Common in
brush.

Mel. luteus Scarce in
brush.

Mel. quercus like. 1 ♀
all seen taken in grass.

Acron. retusus swept
from grasses.

Acron. triops 1 juv. ♀ swept
from brush.

Conoceph. brev. Scarce -
swept.

Cono. strictu. Numerous
in grass.

Con. saltans juv. numerous -
Adont. apt. Numerous in
brush & grasses.

Hapith. agit. Numerous in
brush.

Alcauthus juv. swept from
brush.

P.M. In tall short-leaf
pine, oak & sweet gum woods
with heavy scrub undergrowth
over most of the surface.
very poor. Also bed of
dry brook and trees -
brushes along same.

Settids all taken on
dry bed of brook - swept.
Urophulella prat. in both
situations - all green
ones from grass near
brook bed.

Amblytropidia. Juv in
woods.

Radiata ~~taken~~ Juv. in woods.

Hippiscus rug. In grass
near brook bed.

Trin. citrina In road.

Spharag. bolli In open
bare spot in woods.

Mel. scudderi In woodland
brush.

Cinoc. saltan Juv. in
woodland brush.

Archel. minor 18 beaten
from oak scrub under
pine. Cryptox ~~beaten~~ ^{beaten} from

Cyrtix. columbiana 1 beaten
from trees along brook bed.

Phyllosc. pulchellus Beaten
from sweet gum brush
along stream bed.

Hapithus In woodland
brush Ellipes Stream bed.

59
36
58
19
172

54 ~~Breckinridge~~

Breckinridge,
Livingston Parish, La.
Sept. 16, 1915. (R.)

In virgin forest of long-
leaf pine, similar in
general character to flat
woods of Ga., but no wire
grass, instead ordinary
types of grass. No

gall-berry bushes, but
some little oak scrub. A
dry branch examined,
but it produced nothing.
~~no Sarracenia corymb.~~

Pseudoceryle 2 ♂ swept
from grass.

Staphy. car. 1 juv. swept from
grasses.

Acrotettix fem. Scarce in grass
& on bare spots.

Paxilla 2 ♀, all seen,
swept from bare spots

Dettig. prorsa Scarce -
swept from grasses

Dettig. lat. type. Common
everywhere.

Syrphula adum. In grasses.
Cliphellula pelid. Numerous,
generally dist.

Chiron. elegans Seldom
in tall grasses.

Amblyt. oce. Juv. only -
juv. dist.

Radiotafura ditto - ditto.

Auphia Few.

Mel. luridus In bare spots.

" succidus Not common.

among fallen timber
par. xy. ad. 1♂ swept from grasses

Cicad. militare blue pair
in tall grass - not a damp
situation.

Cnec. strictus Numerous
in grasses

Cnec. saltau ditto.

Juv. predominating.

~~Cnec.~~

Cnec. retusus a
few - some nymphs -
in grasses.

Acneob. fasc. socius 1 ♀
swept from grasses.

Hypithus swept from
grasses.

Archais 1 ♂ - ditto

Had no legs when
seen.

Oecanthus sp. juv.
swept from grasses.

46	52	22	120
			120

55 Vicksburg Miss. HIX. 13

Waltersville - 2 mi N.

River delta few trees, rank
vegetation -

Arch vulg great numbers

Arch nigrip rank veget, vines

& marsh grasses in sloughs -

mil gru aut comm. cult. fields

qu. differential comm. as Q vulg.

Chort verid loc colonies in slt grasses

Arph western comm " " "

Arph plic mod nos, gramin ^{wet}

Hipp ing few cultivated fields

I. cilr 1 dusty road

D. ear large nos " "

A. exigua grasses near slough

P. pulch 1 shrubbery " "

Paratett o comm ^{wet} bare ground edge
of slough

Ellypus minuta mod comm same

Tridact 2 same.

Syb few in rank weeds

Succd same

C. lax comm same

C. brev few, veg edge of slough

28

41

53

122

56 Delta La IX. 13. 1915

River delta - rank weedy
open, heavy forest of
poplar & sycamore,
dense willow river swamp -

C. vulg comm rank weeds, open

Arch nigrip vine tangles bordering woods

C. fasc comm, as vulg.

Parot clao mod nos, underg forest -

M. scudderi 1 ♂ same

M. fusc a comm, as vulg

M. differentialis, mod comm, same

Syrph adue fusc, same

Aph westm comm skt grass on levee

Chort virid, loc comm, same

J. lat scant veg bordering swamp

Acyd ground in forest & edge of "

Parot comm, bare ground " " "

Anax exig mod nos forest underg

Neu fasc those taken are from leaves
in heavy bottom forest. usual

M. cubensis common loc, same

Proctares 1, same.

E. minuta wet bare soil, river side

Hypellus ground, leaves in forest

D. virid usual in forest underg

32

88

120 Hmd 242

57 Mammoth Miss IX. 14

Cotton fields

M. atl common

Sch amer numerous 0 Taken

Sch obsc few; weeds, tall; There

Chort occ cul short grass

L. citr dusty road 1, 0 Taken

D. car common same

A. vulg common in weeds

Heavy deciduous bayou forest,

underg rank veget, vines etc,

some cane brake.

D. virid occ in bayou forest

P. pulch 1 same

Anax exig few seen there

Numob fasc few in dead leaves

Littig marly bare ground ^{on trail} there

Acrid naup

Hapitt few in underg, only of cane brake

Mel robust gr 1 $\frac{1}{2}$ 20 underg bayou forest.

Mel acudd gr 1 0 underg, very

heavy bordering bayou forest

M. retusus 1/2 grasses in ditch in open

A. wht loc numerous in low

weeds in trail in bayou forest

S. acudd furc occ cul in weeds

bordering bayou forest.

A. rugosus few in cotton, 0 taken

P. claus few underg bayou forest

30

31

61 Hand 303

57a same. Slough
 filled w lofty cypress,
 surrounded by almost
 impunctable thicket vines
 & bushes, within among cypress
 ground heavily covered plant #18
 In this plant (Env 18)

Scudd m. sp. all but 1 ♂ taken
 fly rapidly & are active in
 their movements - when at
 rest on this plant & motionless
 are virtually invisible -

m. diff few large spec. there
Parot Clao common same
 smaller than a m?

Stag car mod mod for sp ^{large}
Arch valg very few there ^{not}

Arch iniquifex common same

Aroc Tallator 1

Cuvoc brevis few

M. triops 1 ♂ 1 ♀

M. palustris 1 ♂ 1 ♀

m. scudd gr few same & in
 dense bordering thicket

Polygonum punctatum
 Ell.

22
 29
 19
 12
 82

Hand 385

58 Winona Miss IX. 15

Hills covered w heavy
decid forest, a few sh l pieces,
thick low shrubby areas
of trifol? and honeysuckle
N. triops occurs in area
btw hills in forest, ground
in low honeysuckle vines
N. retusus 1 or 2 once 1 green, grasses
in town.

Camp carol 1 ♀ in honeys. as triops
Atlat 1 ♂ once 1 ♀ dead leaves
under scrub on forested hillside
Mel. tepidus small colony as triops
Mel. scudd occ. thru woodland
underg; in wide forest margin
occurs P.M. about underg of slough forest
Mel. lucid 2 ♀ only, wide forest margin
Mel. atl. common cult fields

Drosoph. ca. " dusty places

Tric. cit. mod common dusty lowland

Arct. vulg common lowland &

neglected weeds in open

Arct. glab mod nos lowland
weeds along ditch

Arct. nigrip mod nos thru

slough forest underg and
a few up in the trees fifteen
ft from ground

Arche minor? colony near
strid to vigorously in ^{tauloy} vine
tangles in slough 20-30 ft above
ground, 0 taken.

C. brevipes occ underg slough
forest, a few same hill forest.

Amblyc obl 1? as u. tropis
Sph. bolli a few in dead leaves
of hillside forest

Arplia 1, weedy border of
hillside forest.

Succd fusc occul, underg
hillside forest.

Succd cuneata same

Diaph 10 j mod nos same,
partic in oats sprouts.

Dec. latip 3? " " same

Amblyc uleri underg hills forest

Seyb adm grasses near slough

Acrot viridis short grasses, open

Tryx brevic grasses bordering slough
Aerydium very few, bare ground
in slough forest.

Anax exig same, in scrub plants

N. carolinus same

N. fasciatus 1 ♀ "

H. agit same & same upland forest undergrowth.

Procladius 1 ♂ 1 ♀ beaten from vines on tree in slough forest

Ae. nig? beaten from oak shoots, upland forest.

C. strict 1 ♂ grasses bordering slough, only one seen.

19
32
51

102

Hand 487

59 Memphis, Tenn. IX. 16. 1925

Along river swamp - Trees
sweet gum cottonwood etc
underg scant; patches of low
lush weedy plants and ^{clumps of} ~~swamp~~
coarse grasses

Arche nigrip mod nos in
lush weedy plants there & in
vines along border, same in
p.m. in clumps of cat-tails
about a pond. See note below

Arche vulg mod nos weeds in open
Ponoc fase same.

Couso brevif occul in patches
of lush weedy plants in swamp.

Quax exig mod common same

Litt arum few same and
dark wet bare ground there

J. like lat 10th latter loc.

J. lat 17 wfy field

Uel fura common same

Uel scud mod nos same,

mod comm in tangles of low
honey vines bordering up forest

Uel robust very few as

C. brevifumis, 10th 17 ^{low swamp} upland
heavy decid forest, underg
many low shoots a little coarse
grass

Mel. differentialis mod. com.
 heavy weeds in lowland open
Aorydium very few as T. annata
Neoc. palustris 10¹ 28 patches
 of warre low swamp grasses
 in dense decid. swamp.
Neoc. triops 10¹ same.
Ambl. obl. 17 pieces on edge
 of swamp.
Asph. 1 colony on edge
 of heavy upland decid. forest
Dec. latip. 10¹ 17 long beating
 in tree shoots of same forest
Dec. scarcer sp. 17 same as N. palustris
Mimob. cub. as T. annata few
Mimob. fax same small
Syr. 1 few in grasses edge of forest
Hipp. rug. open weedy field
H. agit. mod. common, swampy, under

20	note - as in other sp. of the genus I found the head coloring of nigrip. not present in recently emerged adults - note of Fabres here.
30	
65	
<hr/> 115	

trip total 13515

35

37

13552

Env.

1 Opelika Ala.

2 Spanish Fort, La.

3 Sabine, Tex.

4 " "

5 " "

6 " "

7 Virginia Point, Tex.

2 { 8 Ft. Barrancas, Fla.

9 Pensacola, Fla. gallberry Ilex glabra

10 De Funiak Sp. Fla. Hypericum fasciculatum

11 Tallahassee, Fla.

12 Carrabelle, Fla. gallberry Ilex glabra

13 " " Ilex lucida

14 " " Quercus myrtifolia

15 " "

16 Montgomery, Ala. ambrosia artemisiifolia

17 near Jackson, Miss. Homalocenchrus lenticularis

18 Greenville, Miss. Polygonum punctatum Ell.

19

20

Catch 1
Wass

York Village Me IX. 3. '20
Centhophilus 7. On
underside of cellar door.

Mt. Agamenticus Me.
IX. 5. '20. 500 ft. elevation
M. punctulatus 7. on
white pine saplings -
some on sunny side of
trunk, a few out on
branches and in terminal
needle clusters.

Whiteface N. H.
IX. 8. '20

Sc. pistillata 16ⁿ in house
in A. M.

Sph. bolli 1. Few in
decid leaves on edge
of field

Sph. collare? 1 On
eroded granitic. gravel
slope of open hillside
among raspberry &
scant grasses.

York Village, Me. 1882
Nuc. ensiger mod freq
singling vigorously in
meadow grasses in
afternoon sunshine.
Active & very shy.